

**Quinton Township School District
Math
Kindergarten**

Pacing Chart/Curriculum MAP
Key: Careers Technology Interdisciplinary Studies

Marking Period:	1	Unit Title:	Topic 1	Pacing:	18 days
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Unit Summary: In this unit, students begin working to represent, count, and write numbers 0-5. They model numbers with manipulatives and work with peers and independently.

Objectives:

- Use literature to preview number concepts 1 to 5.
- Preview number concepts 0-5.
- Model and count 1 and 2 with objects.
- Represent 1 and 2 objects with number names and written numerals.
- Model and count 3 and 4 with objects.
- Represent 3 and 4 objects with number names and written numerals.
- Model and count 5 with objects.
- Represent 5 objects with a number name and a written numeral.
- Use objects or drawings to decompose 5 into pairs in more than one way.
- Know that each successive number refers to a quantity that is one larger.
- Solve problems by using the strategy to make a model.
- Represent 0 objects with a number name and a written numeral.

Essential Questions:

How can you show, count, and write numbers 0-5?

How do you solve problems using the strategy, make a model?

New Jersey Student Learning Standards

Mathematics Learning Targets: K.CC.A.3, K.CC.B.4a, K.CC.B.4b, K.CC.B.5

Mathematics Practices: MP.2, MP.3, MP.4, MP.5, MP.6

Cross Curricular Standards: 8.1.2.CS.1, K-2ETS1-1, K-2-ETS1-2

Overview of Activities	Teacher's Guide/ Resources	Core Instructional Materials	Technology Infusion
Lesson 1-1: Count 1, 2, and 3	enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment Stem Activity Problem solving leveled reading mat Problem Solving Reading Activity Digital Math Tools activities Language Support Handbook	<ul style="list-style-type: none">● counters for teaching● crayons● plastic bags● buttons● dried pasta or beans	<ul style="list-style-type: none">● Smart Board Applications● Google Applications● iPads● math tools● Problem Solving Reading Activity● Interactive Practice Buddy

<p>Lesson 1-2: Recognize 1, 2, and 3 in different arrangements</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment Stem Activity Problem solving leveled reading mat Problem Solving Reading Activity Digital Math Tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● Counters ● crayons 	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads ● math tools ● Problem Solving Reading Activity ● Interactive Math Buddy
<p>Lesson 1-3: Read, Make, and Write 1, 2, and 3</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment Stem Activity Problem solving leveled reading mat Problem Solving Reading Activity Digital Math Tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● number cards 1-3 ● counters ● connecting cubes ● paper bag 	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads ● math tools ● Problem Solving Reading Activity ● Interactive Practice Buddy

<p>Lesson 1-4: Count 4 and 5</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment Stem Activity Problem solving leveled reading mat Problem Solving Reading Activity Digital Math Tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● counters ● crayons 	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads ● math tools ● Problem Solving Reading Activity ● Interactive Practice Buddy
<p>Lesson 1-5: Recognize 4 and 5 in different arrangements</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment Stem Activity Problem solving leveled reading mat Problem Solving Reading Activity Digital Math Tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● connecting cubes ● counters ● crayons ● plastic or paper cup 	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads ● math tools ● Problem Solving Reading Activity ● Interactive Practice Buddy

<p>Lesson 1-6: Read, Make, and Write 4 and 5</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment Stem Activity Problem solving leveled reading mat Problem Solving Reading Activity Digital Math Tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● number cards 1-5 ● counters ● connecting cubes 	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads ● math tools ● Problem Solving Reading Activity ● Interactive Practice Buddy
<p>Lesson 1-7: Identify the number 0</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment Stem Activity Problem solving leveled reading mat Problem Solving Reading Activity Digital Math Tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● counters ● 0-5 number cubes ● plastic or paper cups 	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads ● math tools ● Problem Solving Reading Activity ● Interactive Practice Buddy

Lesson 1-8: Read and Write 0	enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment Stem Activity Problem solving leveled reading mat Problem Solving Reading Activity Digital Math Tools activities Language Support Handbook	<ul style="list-style-type: none"> ● crayons ● number cards ● 5 blocks ● basket 	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads ● math tools ● Problem Solving Reading Activity ● Interactive Practice Buddy
Lesson 1-9: Numbers to 5	enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment Stem Activity Problem solving leveled reading mat Problem Solving Reading Activity Digital Math Tools activities Language Support Handbook	<ul style="list-style-type: none"> ● connecting cubes ● construction paper ● masking tape 	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads ● math tools ● Problem Solving Reading Activity ● Interactive Practice Buddy

<p>Lesson 1-10: Problem Solving: Construct Arguments</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment Stem Activity Problem solving leveled reading mat Problem Solving Reading Activity Digital Math Tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● counters ● crayons ● tape ● number cards 1-5 	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads ● math tools ● Problem Solving Reading Activity ● Interactive Practice Buddy
<p>Reteaching/ Vocabulary Review Numbers 0-5</p>	<p>enVision Daily Review Reteach to Build Understanding Reteaching pages in workbook Digital Math Tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 1-5 ● crayons ● Student Workbook 	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads
<p>Topic Assessment numbers 0-5</p>	<p>enVision Daily Review Topic 1 assessment</p>	<p>Topic assessment</p>	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads

Formative Assessment Plan	Summative Assessment Plan
<p><i>Formative assessment informs instruction and is on going through a unit to determine how students are progressing with the high expectations of standards.</i></p> <p>Suggested activities to assess student progress:</p> <ul style="list-style-type: none"> ● IXL.com ● Math workbook ● practice pages ● Interactive Practice Buddy 	<p><i>Summative assessment is an opportunity for students to demonstrate mastery of the skills taught during a particular unit.</i></p> <p>Final Assessment/Benchmark/Project: Topic 1 Assessment</p> <p>Suggested skills to be assessed: <i>Writing numbers 0-5</i> <i>Recognizing numbers 0-5</i> <i>Count to 5</i></p>

Differentiation

Special Education	ELL	At Risk	Gifted and Talented
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<ul style="list-style-type: none"> • RTI • Modify and accommodate as listed in student's IEP or 504 plan • Utilize effective amount of wait time • Hold high expectations • Communicate directions clearly and concisely and repeat, reword, modify as necessary. • Utilize open-ended questioning techniques • Utilize scaffolding to support instruction. • Chunk tasks into smaller components • Provide step by step instructions • Model and use visuals as often as possible • Utilize extended time and/or reduce the amount of items given for homework, quizzes, and tests. • Teach Tiers 1,2, and 3 words to assist students' understanding of instructional texts. • Utilize a variety of formative assessments to drive the next point of instruction/differentiated instructional practices. • Create rubrics/allow students to assist with task, so that all are aware of expectations. • Create modified assessments. • Allow students to utilize online books, when available, to listen to oral recorded reading. • Provide individualized assistance as necessary. • Allow for group work (strategically selected) and collaboration as necessary. • Utilize homework recorder within SIS. • Allow for copies of notes to be shared out. • Utilize assistive technology as appropriate. • Provide meaningful feedback 	<ul style="list-style-type: none"> • RTI • Speech/Language Therapy • Rosetta Stone • Hold high expectations • Provide English/Spanish Dictionary for use • Place with Spanish speaking teacher/paraprofessional as available • Learn/Utilize/Display some words in the students' native language • Invite student to after school tutoring sessions • Basic Skills Instruction • Utilize formative assessments to drive instruction • Translate printed communications for parents in native language • Hold conferences with translator present • Utilize additional NJDOE resources/recommendations • Review Special Education listing for additional recommendations • Establish a consistent and daily routine 	<ul style="list-style-type: none"> • RTI Tiered Interventions following RTI framework • Support instruction with RTI intervention resources • Provide after school tutoring services • Basic Skills Instruction • Hold high expectations • Fountas and Pinnell Phonics • Hold parent conferences fall and spring • Make modifications to instructional plans based on I and RS Plan. • Develop a record system to encourage good behavior and completion of work. • Establish a consistent and daily routine. 	<ul style="list-style-type: none"> • Organize the curriculum to include more elaborate, complex, and in-depth study of major ideas and problems through Compacting. • Allow for the development and application of productive thinking skills to enable students to re-conceptualize existing knowledge and/or generate new knowledge. • Enable students to explore continually changing knowledge and information and develop the attitude that knowledge is worth pursuing in an open world. • Encourage exposure to, selection and use of appropriate and specialized resources. • Promote self-initiated and self-directed learning and growth. • Provide for the development of self-understanding of one's relationships with people, societal institutions, nature and culture. • Continue to offer Accelerated Mathematics 7 (7th grade) and Algebra 1 (8th grade).
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Quinton Township School District
Math
Kindergarten
Pacing Chart/Curriculum MAP

Marking Period:	1	Unit Title:	Topic 2	Pacing:	12 days
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Unit Summary: Topic 2 focuses on comparing numbers from 0-5. Students compare groups of objects as well as the corresponding numbers. This work allows for a deep understanding of the concepts of greater than, less than, equal, and not equal.

Objectives:

- Compare groups to see whether they are equal by matching.
- Tell whether one group is greater in number than another group.
- Tell whether one group is less in number than another group.
- Compare numbers.
- Use objects, drawings, and numbers to compare numbers.

Essential Questions:

- How can building and comparing sets help you compare numbers?
- How can numbers from 0-5 be compared and ordered?

New Jersey Student Learning Standards

Mathematics Learning Targets: K.CC.A.3, K.CC.B.5, K.CC.C.6

Mathematics Practices: MP.3 MP.1, MP.4

Cross Curricular Standards: 8.1.2.CS.1, K-2ETS1-1, K-2-ETS1-2

Overview of Activities	Teacher's Guide/ Resources	Core Instructional Materials	Technology Infusion
Topic Opener compare numbers 0-5	enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook	<ul style="list-style-type: none">● two color counters● pieces of string● connecting cubes● paper bag	<ul style="list-style-type: none">● math tools● enVision stem activity● pick a project● Problem Solving Reading Activity

Lesson 2-1: Equal Groups	enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook	<ul style="list-style-type: none"> ● two color counters ● pieces of string ● connecting cubes ● paper bag 	<ul style="list-style-type: none"> ● math tools ● enVision stem activity ● pick a project ● Problem Solving Reading Activity
Lesson 2-2: Greater Than	enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook	<ul style="list-style-type: none"> ● two color counters ● pieces of string ● connecting cubes ● paper bag 	<ul style="list-style-type: none"> ● math tools ● enVision stem activity ● pick a project ● Problem Solving Reading Activity
Lesson 2-3: Less Than	enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook	<ul style="list-style-type: none"> ● two color counters ● pieces of string ● connecting cubes ● paper bag 	<ul style="list-style-type: none"> ● math tools ● enVision stem activity ● pick a project ● Problem Solving Reading Activity

<p>Lesson 2-4: Compare groups to 5 by counting</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● pieces of string ● connecting cubes ● paper bag 	<ul style="list-style-type: none"> ● math tools ● enVision stem activity ● pick a project ● Problem Solving Reading Activity
<p>Lesson 2-5: Problem solving: Model with math</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● pieces of string ● connecting cubes ● paper bag 	<ul style="list-style-type: none"> ● math tools ● enVision stem activity ● pick a project ● Problem Solving Reading Activity
<p>Reteaching/Vocabulary Review Compare numbers 0-5</p>	<p>enVision Daily Review Reteach to Build Understanding Reteaching pages in workbook Digital Math Tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● string ● paper bag ● Student Workbook 	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads

Topic Assessment Compare numbers 0-5	enVision Daily Review Topic 2 assessment	Topic assessment	<ul style="list-style-type: none"> • Smart Board Applications • Google Applications • iPads
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Formative Assessment Plan	Summative Assessment Plan
<p><i>Formative assessment informs instruction and is on going through a unit to determine how students are progressing with the high expectations of standards.</i></p> <p>Suggested activities to assess student progress:</p> <ul style="list-style-type: none"> • Diagnostic Interview Task • Math Journal • Mid-Chapter Checkpoint • Standards Practice 	<p><i>Summative assessment is an opportunity for students to demonstrate mastery of the skills taught during a particular unit.</i></p> <p>Final Assessment/Benchmark/Project: Topic 2 Test</p> <p>Suggested skills to be assessed: <i>Counting strategies</i> <i>Comparing sets</i> <i>Making models</i> <i>Matching strategies</i></p>

Differentiation

Special Education	ELL	At Risk	Gifted and Talented
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<ul style="list-style-type: none"> • RTI • Modify and accommodate as listed in student's IEP or 504 plan • Utilize effective amount of wait time • Hold high expectations • Communicate directions clearly and concisely and repeat, reword, modify as necessary. • Utilize open-ended questioning techniques • Utilize scaffolding to support instruction. • Chunk tasks into smaller components • Provide step by step instructions • Model and use visuals as often as possible • Utilize extended time and/or reduce amount of items given for homework, quizzes, and tests. • Teach Tiers 1,2, and 3 words to assist students' understanding of instructional texts. • Utilize a variety of formative assessments to drive next point of instruction/differentiated instructional practices. • Create rubrics/allow students to assist with task, so that all are aware of expectations. • Create modified assessments. • Allow students to utilize online books, when available, to listen to oral recorded reading. • Provide individualized assistance as necessary. • Allow for group work (strategically selected) and collaboration as necessary. • Utilize homework recorder within SIS. • Allow for copies of notes to be shared out. • Utilize assistive technology as appropriate. • Provide meaningful feedback 	<ul style="list-style-type: none"> • RTI • Speech/Language Therapy • Rosetta Stone • Hold high expectations • Provide English/Spanish Dictionary for use • Place with Spanish speaking teacher/paraprofessional as available • Learn/Utilize/Display some words in the students' native language • Invite student to after school tutoring sessions • Basic Skills Instruction • Utilize formative assessments to drive instruction • Translate printed communications for parents in native language • Hold conferences with translator present • Utilize additional NJDOE resources/recommendations • Review Special Education listing for additional recommendations • Establish a consistent and daily routine 	<ul style="list-style-type: none"> • RTI Tiered Interventions following RTI framework • Support instruction with RTI intervention resources • Provide after school tutoring services • Basic Skills Instruction • Hold high expectations • Utilize Go Math! RTI strategies • Fountas and Pinnell Phonics • Hold parent conferences fall and spring • Make modifications to instructional plans based on I and RS Plan. • Develop a record system to encourage good behavior and completion of work. • Establish a consistent and daily routine. 	<ul style="list-style-type: none"> • Organize the curriculum to include more elaborate, complex, and in-depth study of major ideas and problems through Compacting. • Allow for the development and application of productive thinking skills to enable students to re-conceptualize existing knowledge and/or generate new knowledge. • Enable students to explore continually changing knowledge and information and develop the attitude that knowledge is worth pursuing in an open world. • Encourage exposure to, selection and use of appropriate and specialized resources. • Promote self-initiated and self-directed learning and growth. • Provide for the development of self-understanding of one's relationships with people, societal institutions, nature and culture. • Continue to offer Accelerated Mathematics 7 (7th grade) and Algebra 1 (8th grade).
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Quinton Township School District
Math
Kindergarten
Pacing Chart/Curriculum MAP

Marking Period:	1	Unit Title:	Topic 3	Pacing:	15 days
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Unit Summary: Topic 3 continues the counting sequence with a focus on numbers 6 to 10. It also highlights the principles necessary for accurate counting, as well as featuring a variety of representations including numeral writing.

Objectives:
Count the numbers 6 and 7.
Read and write the numbers 6 and 7.
Count the numbers 8 and 9.
Read and write the numbers 8 and 9.
Count to the number 10.
Read and write the number 10.
Count groups of numbers to 10.
Use counting patterns to solve a problem.

Essential Questions:
How can you show, count, and write numbers 6 to 9?
How can numbers from 6 to 10 be counted, read, and written?

New Jersey Student Learning Standards

Mathematics Learning Targets: K.CC.A.3, K.CC.B.4a, K.CC.B.4b, K.CC.B.5, K.CC.C.6

Mathematics Practices: MP.2, MP.3, MP.4, MP.5, MP.6, MP.8

Cross Curricular Standards: 8.1.2.CS.1, K-2ETS1-1, K-2-ETS1-2

Overview of Activities	Teacher's Guide/ Resources	Core Instructional Materials	Technology Infusion
Topic Opener Numbers 6 to 10	enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment Stem activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook	<ul style="list-style-type: none">● Counters● Number cards 6 and 7● Connecting cubes● Number cards 0-10● Two color counters● Number cards 1-10	<ul style="list-style-type: none">● Smart Board Applications● Google Applications● iPads● Math tools● STEM Activity

<p>Lesson 3-1: Count 6 and 7</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment Stem activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● Counters ● Number cards 6 and 7 ● Connecting cubes ● Number cards 0-10 ● Two color counters ● Number cards 1-10 ● 	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads ● Math tools ● STEM Activity
<p>Lesson 3-2: Read, Make, and Write 6 and 7</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment Stem activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● Counters ● Number cards 6 and 7 ● Connecting cubes ● Number cards 0-10 ● Two color counters ● Number cards 1-10 	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads ● Math tools ● STEM Activity

<p>Lesson 3-3: Count 8 and 9</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment Stem activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● Counters ● Number cards 6 and 7 ● Connecting cubes ● Number cards 0-10 ● Two color counters ● Number cards 1-10 	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads ● Math tools ● STEM Activity
<p>Lesson 3-4: Read, Make, and Write 8 and 9</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment Stem activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● Counters ● Number cards 6 and 7 ● Connecting cubes ● Number cards 0-10 ● Two color counters ● Number cards 1-10 	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads ● Math tools ● STEM Activity

<p>Lesson 3-5: Count to 10</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment Stem activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● Counters ● Number cards 6 and 7 ● Connecting cubes ● Number cards 0-10 ● Two color counters ● Number cards 1-10 	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads ● Math tools ● STEM Activity
<p>Lesson 3-6: Read, Make, and Write 10</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment Stem activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● Counters ● Number cards 6 and 7 ● Connecting cubes ● Number cards 0-10 ● Two color counters ● Number cards 1-10 	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads ● Math tools ● STEM Activity

<p>Lesson 3-7: Count Numbers to 10</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment Stem activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● Counters ● Number cards 6 and 7 ● Connecting cubes ● Number cards 0-10 ● Two color counters ● Number cards 1-10 	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads ● Math tools ● STEM Activity
<p>Lesson 3-8: Problem Solving: Look for and use structure</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision Stem activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● Counters ● Number cards 6 and 7 ● Connecting cubes ● Number cards 0-10 ● Two color counters ● Number cards 1-10 	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads ● Math tools ● STEM Activity

Reteaching/Vocabulary Review Numbers 6-10	enVision Daily Review Reteach to Build Understanding Reteaching pages in workbook Digital Math Tools activities Language Support Handbook	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● ten frames ● number cards 0-10 ● Student Workbook 	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads
Topic assessment Numbers 6-10	Topic 3 assessment	Topic assessment	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads

Formative Assessment Plan	Summative Assessment Plan
<p><i>Formative assessment informs instruction and is on going through a unit to determine how students are progressing with the high expectations of standards.</i></p> <p>Suggested activities to assess student progress:</p> <ul style="list-style-type: none"> ● math workbook ● IXL.com ● standards practice ● homework 	<p><i>Summative assessment is an opportunity for students to demonstrate mastery of the skills taught during a particular unit.</i></p> <p>Final Assessment/Benchmark/Project: <i>Topic 3 test</i></p> <p>Suggested skills to be assessed: <i>Count and model to 9</i> <i>Represent objects with a number and written numeral</i> <i>Solve problems using draw a picture strategy</i></p>

Differentiation

Special Education	ELL	At Risk	Gifted and Talented
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<ul style="list-style-type: none"> • RTI • Modify and accommodate as listed in student's IEP or 504 plan • Utilize effective amount of wait time • Hold high expectations • Communicate directions clearly and concisely and repeat, reword, modify as necessary. • Utilize open-ended questioning techniques • Utilize scaffolding to support instruction. • Chunk tasks into smaller components • Provide step by step instructions • Model and use visuals as often as possible • Utilize extended time and/or reduce amount of items given for homework, quizzes, and tests. • Teach Tiers 1,2, and 3 words to assist students' understanding of instructional texts. • Utilize a variety of formative assessments to drive next point of instruction/differentiated instructional practices. • Create rubrics/allow students to assist with task, so that all are aware of expectations. • Create modified assessments. • Allow students to utilize online books, when available, to listen to oral recorded reading. • Provide individualized assistance as necessary. • Allow for group work (strategically selected) and collaboration as necessary. • Utilize homework recorder within SIS. • Allow for copies of notes to be shared out. • Utilize assistive technology as appropriate. • Provide meaningful feedback 	<ul style="list-style-type: none"> • RTI • Speech/Language Therapy • Rosetta Stone • Hold high expectations • Provide English/Spanish Dictionary for use • Place with Spanish speaking teacher/paraprofessional as available • Learn/Utilize/Display some words in the students' native language • Invite student to after school tutoring sessions • Basic Skills Instruction • Utilize formative assessments to drive instruction • Translate printed communications for parents in native language • Hold conferences with translator present • Utilize additional NJDOE resources/recommendations • Review Special Education listing for additional recommendations • Establish a consistent and daily routine 	<ul style="list-style-type: none"> • RTI Tiered Interventions following RTI framework • Support instruction with RTI intervention resources • Provide after school tutoring services • Basic Skills Instruction • Hold high expectations • Utilize Go Math! RTI strategies • Fountas and Pinnell Phonics • Hold parent conferences fall and spring • Make modifications to instructional plans based on I and RS Plan. • Develop a record system to encourage good behavior and completion of work. • Establish a consistent and daily routine. 	<ul style="list-style-type: none"> • Organize the curriculum to include more elaborate, complex, and in-depth study of major ideas and problems through Compacting. • Allow for the development and application of productive thinking skills to enable students to re-conceptualize existing knowledge and/or generate new knowledge. • Enable students to explore continually changing knowledge and information and develop the attitude that knowledge is worth pursuing in an open world. • Encourage exposure to, selection and use of appropriate and specialized resources. • Promote self-initiated and self-directed learning and growth. • Provide for the development of self-understanding of one's relationships with people, societal institutions, nature and culture. • Continue to offer Accelerated Mathematics 7 (7th grade) and Algebra 1 (8th grade).
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**Quinton Township School District
Math
Kindergarten**

Pacing Chart/Curriculum MAP

Marking Period:	2	Unit Title:	Topic 4	Pacing:	17 days
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Unit Summary: In this unit, students compare numbers 0 to 10 using flexible strategies. They also develop problem-solving strategies with peers and independently.

Objectives:

- Compare groups of up to 10 objects.
- Compare groups of numbers using numerals to 10.
- Compare groups of numbers by counting.
- Compare two numbers.
- Repeat something from one problem to help solve another problem.

Essential Questions:

How can you show and compare numbers to 10?
How can you use a drawing to make 10 from a given number?
How can you count forward to 10 from a given number?
How can you solve problems using the strategy to make a model?
How can you use counting strategies to compare sets of objects?

New Jersey Student Learning Standards

Mathematics Learning Targets: K.CC.A.2, K.CC.B.4c, K.CC.B.5, K.CC.C.6, K.CC.C.7

Mathematics Practices: MP.3, MP.4, MP.5, MP.8

Cross Curricular Standards: 8.1.2.CS.1, K-2ETS1-1, K-2-ETS1-2

Overview of Activities

Teacher's Guide/ Resources

**Core Instructional
Materials**

Technology Infusion

<p>Topic Opener - Compare Numbers 0-10</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment Stem Activity Problem solving leveled reading mat Problem Solving Reading Activity Digital Math Activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● connecting cubes ● paper bags ● counters ● ten frames ● two color counters 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 4-1 Compare groups to 10 by matching</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment Stem Activity Problem solving leveled reading mat Problem Solving Reading Activity Digital Math Activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● connecting cubes ● paper bags ● counters ● ten frames ● two color counters 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 4-2 Compare numbers using numerals to 10</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment Stem Activity Problem solving leveled reading mat Problem Solving Reading Activity Digital Math Activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● connecting cubes ● paper bags ● counters ● ten frames ● two color counters 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 4-3 Compare groups to 10 by counting</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment Stem Activity Problem solving leveled reading mat Problem Solving Reading Activity Digital Math Activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● connecting cubes ● paper bags ● counters ● ten frames ● two color counters 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 4-4 Compare numbers to 10</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment Stem Activity Problem solving leveled reading mat Problem Solving Reading Activity Digital Math Activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● connecting cubes ● paper bags ● counters ● ten frames ● two color counters 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 4-5 Problem solving repeated reasoning</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment Stem Activity Problem solving leveled reading mat Problem Solving Reading Activity Digital Math Activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● connecting cubes ● paper bags ● counters ● ten frames ● two color counters 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
<p>Reteaching/Vocabulary Review Compare numbers 0-10</p>	<p>enVision Daily Review Reteach to Build Understanding Reteaching pages in workbook Digital Math Tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● ten frames ● paper bags ● Student Workbook 	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads

Topic Assessment Compare numbers 0-10	enVision Daily Review Topic assessment Compare numbers 0-10	Topic assessment	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads
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Formative Assessment Plan	Summative Assessment Plan
<p><i>Formative assessment informs instruction and is on going through a unit to determine how students are progressing with the high expectations of standards.</i></p> <p>Suggested activities to assess student progress:</p> <ul style="list-style-type: none"> ● math workbook ● IXL.com ● standards practice ● homework 	<p><i>Summative assessment is an opportunity for students to demonstrate mastery of the skills taught during a particular unit.</i></p> <p>Final Assessment/Benchmark/Project: Topic 4 assessment</p> <p>Suggested skills to be assessed: <i>Compare numbers to 10. Using counting strategies. Solve problems using the make a model strategy.</i></p>

Differentiation

Special Education	ELL	At Risk	Gifted and Talented
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<ul style="list-style-type: none"> • RTI • Modify and accommodate as listed in student's IEP or 504 plan • Utilize effective amount of wait time • Hold high expectations • Communicate directions clearly and concisely and repeat, reword, modify as necessary. • Utilize open-ended questioning techniques • Utilize scaffolding to support instruction. • Chunk tasks into smaller components • Provide step by step instructions • Model and use visuals as often as possible • Utilize extended time and/or reduce amount of items given for homework, quizzes, and tests. • Teach Tiers 1,2, and 3 words to assist students' understanding of instructional texts. • Utilize a variety of formative assessments to drive next point of instruction/differentiated instructional practices. • Create rubrics/allow students to assist with task, so that all are aware of expectations. • Create modified assessments. • Allow students to utilize online books, when available, to listen to oral recorded reading. • Provide individualized assistance as necessary. • Allow for group work (strategically selected) and collaboration as necessary. • Utilize homework recorder within SIS. • Allow for copies of notes to be shared out. • Utilize assistive technology as appropriate. • Provide meaningful feedback 	<ul style="list-style-type: none"> • RTI • Speech/Language Therapy • Rosetta Stone • Hold high expectations • Provide English/Spanish Dictionary for use • Place with Spanish speaking teacher/paraprofessional as available • Learn/Utilize/Display some words in the students' native language • Invite student to after school tutoring sessions • Basic Skills Instruction • Utilize formative assessments to drive instruction • Translate printed communications for parents in native language • Hold conferences with translator present • Utilize additional NJDOE resources/recommendations • Review Special Education listing for additional recommendations • Establish a consistent and daily routine 	<ul style="list-style-type: none"> • RTI Tiered Interventions following RTI framework • Support instruction with RTI intervention resources • Provide after school tutoring services • Basic Skills Instruction • Hold high expectations • Utilize Go Math! RTI strategies • Fountas and Pinnell Phonics • Hold parent conferences fall and spring • Make modifications to instructional plans based on I and RS Plan. • Develop a record system to encourage good behavior and completion of work. • Establish a consistent and daily routine. 	<ul style="list-style-type: none"> • Organize the curriculum to include more elaborate, complex, and in-depth study of major ideas and problems through Compacting. • Allow for the development and application of productive thinking skills to enable students to re-conceptualize existing knowledge and/or generate new knowledge. • Enable students to explore continually changing knowledge and information and develop the attitude that knowledge is worth pursuing in an open world. • Encourage exposure to, selection and use of appropriate and specialized resources. • Promote self-initiated and self-directed learning and growth. • Provide for the development of self-understanding of one's relationships with people, societal institutions, nature and culture. • Continue to offer Accelerated Mathematics 7 (7th grade) and Algebra 1 (8th grade).
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**Quinton Township School District
Math
Kindergarten**

Pacing Chart/Curriculum MAP

Marking Period:	2	Unit Title:	Topic 5	Pacing:	10 days
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Unit Summary: In Topic 5, students learn to classify and count data, explaining their process and applying their skill to real-world situations.

Objectives:

Classify objects into categories and tell why they are in each category.

Count how many objects are in different categories.

Use counting to compare how many objects are in categories.

Tell whether the way objects have been sorted, counted, and compared makes sense.

Essential Questions:

How can objects be classified into two categories?

How can objects be sorted, counted, and compared?

New Jersey Student Learning Standards

Mathematics Learning Targets: K.MD.B.3, K.CC.B.5, K.CC.C.6, K.CC.C.7

Mathematics Practices: MP.1, MP.2, MP.3, MP.5, MP.6, MP.8

Cross Curricular Standards: 8.1.2.CS.1, K-2ETS1-1, K-2-ETS1-2

Overview of Activities	Teacher's Guide/ Resources	Core Instructional Materials	Technology Infusion
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<p>Topic Opener - Classify and count data</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment Stem Activity Problem solving leveled reading mat Problem Solving Reading Activity Digital Math Activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● connecting cubes ● paper bags ● counters ● ten frames ● two color counters 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 5-1 Classify objects into categories</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment Stem Activity Problem solving leveled reading mat Problem Solving Reading Activity Digital Math Activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● counters ● ten frames ● two color counters 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 5-2 Count the number of objects in each category</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment Stem Activity Problem solving leveled reading mat Problem Solving Reading Activity Digital Math Activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● counters ● ten frames ● two color counters 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 5-3 Sort the categories by counting</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment Stem Activity Problem solving leveled reading mat Problem Solving Reading Activity Digital Math Activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● counters ● ten frames ● two color counters 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 5-4 Problem-solving: Critique reasoning</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment Stem Activity Problem solving leveled reading mat Problem Solving Reading Activity Digital Math Activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● connecting cubes ● counters ● ten frames ● two color counters 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
<p>Reteaching/Vocabulary Review Classify and count data</p>	<p>enVision Daily Review Reteach to Build Understanding Reteaching pages in workbook Digital Math Tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● ten frames ● Student Workbook 	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads

Topic assessment Classify and count data	enVision Daily Review Topic 5 assessment	Topic assessment	<ul style="list-style-type: none"> • Smart Board Applications • Google Applications • iPads
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Formative Assessment Plan	Summative Assessment Plan
<p><i>Formative assessment informs instruction and is on going through a unit to determine how students are progressing with the high expectations of standards.</i></p> <p>Suggested activities to assess student progress:</p> <ul style="list-style-type: none"> • math workbook • IXL.com • standards practice • homework 	<p><i>Summative assessment is an opportunity for students to demonstrate mastery of the skills taught during a particular unit.</i></p> <p>Final Assessment/Benchmark/Project: Topic 5 assessment</p> <p>Suggested skills to be assessed:</p> <p><i>Can you represent addition within 5?</i></p> <p><i>Can you solve problems using a math strategy act it out?</i></p> <p><i>Can you use objects and drawings to solve addition problems?</i></p> <p><i>Can you solve addition word problems?</i></p> <p><i>Can you decompose numbers within 10?</i></p>

Differentiation

Special Education	ELL	At Risk	Gifted and Talented
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<ul style="list-style-type: none"> • RTI • Modify and accommodate as listed in student's IEP or 504 plan • Utilize effective amount of wait time • Hold high expectations • Communicate directions clearly and concisely and repeat, reword, modify as necessary. • Utilize open-ended questioning techniques • Utilize scaffolding to support instruction. • Chunk tasks into smaller components • Provide step by step instructions • Model and use visuals as often as possible • Utilize extended time and/or reduce amount of items given for homework, quizzes, and tests. • Teach Tiers 1,2, and 3 words to assist students' understanding of instructional texts. • Utilize a variety of formative assessments to drive next point of instruction/differentiated instructional practices. • Create rubrics/allow students to assist with task, so that all are aware of expectations. • Create modified assessments. • Allow students to utilize online books, when available, to listen to oral recorded reading. • Provide individualized assistance as necessary. • Allow for group work (strategically selected) and collaboration as necessary. • Utilize homework recorder within SIS. • Allow for copies of notes to be shared out. • Utilize assistive technology as appropriate. • Provide meaningful feedback 	<ul style="list-style-type: none"> • RTI • Speech/Language Therapy • Rosetta Stone • Hold high expectations • Provide English/Spanish Dictionary for use • Place with Spanish speaking teacher/paraprofessional as available • Learn/Utilize/Display some words in the students' native language • Invite student to after school tutoring sessions • Basic Skills Instruction • Utilize formative assessments to drive instruction • Translate printed communications for parents in native language • Hold conferences with translator present • Utilize additional NJDOE resources/recommendations • Review Special Education listing for additional recommendations • Establish a consistent and daily routine 	<ul style="list-style-type: none"> • RTI Tiered Interventions following RTI framework • Support instruction with RTI intervention resources • Provide after school tutoring services • Basic Skills Instruction • Hold high expectations • Utilize Go Math! RTI strategies • Fountas and Pinnell Phonics • Hold parent conferences fall and spring • Make modifications to instructional plans based on I and RS Plan. • Develop a record system to encourage good behavior and completion of work. • Establish a consistent and daily routine. 	<ul style="list-style-type: none"> • Organize the curriculum to include more elaborate, complex, and in-depth study of major ideas and problems through Compacting. • Allow for the development and application of productive thinking skills to enable students to re-conceptualize existing knowledge and/or generate new knowledge. • Enable students to explore continually changing knowledge and information and develop the attitude that knowledge is worth pursuing in an open world. • Encourage exposure to, selection and use of appropriate and specialized resources. • Promote self-initiated and self-directed learning and growth. • Provide for the development of self-understanding of one's relationships with people, societal institutions, nature and culture. • Continue to offer Accelerated Mathematics 7 (7th grade) and Algebra 1 (8th grade).
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**Quinton Township School District
Math
Kindergarten**

Pacing Chart/Curriculum MAP

Marking Period:	2	Unit Title:	Topic 6	Pacing:	12 days
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Unit Summary: In Topic 6, students start the process of building conceptual understanding of addition. They use many forms to represent numbers and adding to a number to make a new one. They also write equations to represent situations.

Objectives:

Show numbers in many ways.

Represent addition as adding to a number.

Represent addition as putting two or more numbers together.

Write an equation to show addition.

Solve addition problems.

Use equations to represent and explain addition.

Use patterns to add numbers together.

Model adding different numbers together by drawing, counting, or writing equations.

Essential Questions:

How can you find the number of objects in all?

How can you solve addition problems?

How can you show addition?

What can you use to help you solve an addition word problem?

How can you remember addition facts?

How can you use a model to help solve an addition problem?

New Jersey Student Learning Standards

Mathematics Learning Targets: K.CC.B.5, K.OA.A.1, K.OA.A.2, K.CC.A.3

Mathematics Practices: MP.1, MP.2, MP.3, MP.5, MP.6, MP.8

Cross Curricular Standards: 8.1.2.CS.1, K-2ETS1-1, K-2-ETS1-2

Overview of Activities	Teacher's Guide/ Resources	Core Instructional Materials	Technology Infusion
Topic Opener- Understand addition	enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● Student Workbook 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games

<p>Lesson 6-1: Explore Addition-show numbers in many ways</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● Student Workbook 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 6-2: Represent addition as adding to</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● Student Workbook 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 6-3: Represent addition as putting together</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● Student Workbook 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 6-4: Represent and explain addition with equations</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● Student Workbook 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 6-5: Solve addition word problems</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● Student Workbook 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 6-6: Solve addition word problems</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● Student Workbook 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
<p>Lesson 6-7: Use patterns to develop fluency in addition</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● Student Workbook 	

Reteaching/Vocabulary Review Understand Addition	enVision Daily Review Reteach to Build Understanding Reteaching pages in workbook Digital Math Tools activities Language Support Handbook	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● Student Workbook 	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads
Topic assessment Understand Addition	Topic 6 assessment	Topic assessment	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads

Formative Assessment Plan	Summative Assessment Plan
<p><i>Formative assessment informs instruction and is on going through a unit to determine how students are progressing with the high expectations of standards.</i></p> <p>Suggested activities to assess student progress:</p> <ul style="list-style-type: none"> ● math journal ● mid-chapter check ● standards practice ● homework 	<p><i>Summative assessment is an opportunity for students to demonstrate mastery of the skills taught during a particular unit.</i></p> <p>Final Assessment/Benchmark/Project: Topic 6 assessment</p> <p>Suggested skills to be assessed:</p> <p><i>Addition within 5</i></p> <p><i>Using expressions to represent addition</i></p> <p><i>Solving problems using acting out strategy</i></p> <p><i>Solving addition word problems</i></p>

Differentiation

Special Education	ELL	At Risk	Gifted and Talented
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<ul style="list-style-type: none"> • RTI • Modify and accommodate as listed in student's IEP or 504 plan • Utilize effective amount of wait time • Hold high expectations • Communicate directions clearly and concisely and repeat, reword, modify as necessary. • Utilize open-ended questioning techniques • Utilize scaffolding to support instruction. • Chunk tasks into smaller components • Provide step by step instructions • Model and use visuals as often as possible • Utilize extended time and/or reduce amount of items given for homework, quizzes, and tests. • Teach Tiers 1,2, and 3 words to assist students' understanding of instructional texts. • Utilize a variety of formative assessments to drive next point of instruction/differentiated instructional practices. • Create rubrics/allow students to assist with task, so that all are aware of expectations. • Create modified assessments. • Allow students to utilize online books, when available, to listen to oral recorded reading. • Provide individualized assistance as necessary. • Allow for group work (strategically selected) and collaboration as necessary. • Utilize homework recorder within SIS. • Allow for copies of notes to be shared out. • Utilize assistive technology as appropriate. • Provide meaningful feedback 	<ul style="list-style-type: none"> • RTI • Speech/Language Therapy • Rosetta Stone • Hold high expectations • Provide English/Spanish Dictionary for use • Place with Spanish speaking teacher/paraprofessional as available • Learn/Utilize/Display some words in the students' native language • Invite student to after school tutoring sessions • Basic Skills Instruction • Utilize formative assessments to drive instruction • Translate printed communications for parents in native language • Hold conferences with translator present • Utilize additional NJDOE resources/recommendations • Review Special Education listing for additional recommendations • Establish a consistent and daily routine 	<ul style="list-style-type: none"> • RTI Tiered Interventions following RTI framework • Support instruction with RTI intervention resources • Provide after school tutoring services • Basic Skills Instruction • Hold high expectations • Utilize Go Math! RTI strategies • Fountas and Pinnell Phonics • Hold parent conferences fall and spring • Make modifications to instructional plans based on I and RS Plan. • Develop a record system to encourage good behavior and completion of work. • Establish a consistent and daily routine. 	<ul style="list-style-type: none"> • Organize the curriculum to include more elaborate, complex, and in-depth study of major ideas and problems through Compacting. • Allow for the development and application of productive thinking skills to enable students to re-conceptualize existing knowledge and/or generate new knowledge. • Enable students to explore continually changing knowledge and information and develop the attitude that knowledge is worth pursuing in an open world. • Encourage exposure to, selection and use of appropriate and specialized resources. • Promote self-initiated and self-directed learning and growth. • Provide for the development of self-understanding of one's relationships with people, societal institutions, nature and culture. • Continue to offer Accelerated Mathematics 7 (7th grade) and Algebra 1 (8th grade).
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**Quinton Township School District
Math
Kindergarten**

Pacing Chart/Curriculum MAP

Marking Period:	3	Unit Title:	Topic 7	Pacing:	12 days
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Unit Summary: In Topic 7, students explore taking numbers apart to tell parts, developing a conceptual understanding of subtraction. They also write equations to represent subtraction situations.

Objectives:

- Show numbers in many ways.
- Take apart a number and tell the parts.
- Represent subtraction as taking away from a whole.
- Write an equation to show subtraction.
- Find the difference of two numbers.
- Find patterns in subtraction equations.
- Use tools to subtract numbers.

Essential Questions:

How can you show the numbers in problems?

What happens when you take apart a number?

How can you show subtraction?

What can you use to help you solve a subtraction word problem?

How can patterns help you solve subtraction problems?

How can you choose a tool to help solve a word problem?

New Jersey Student Learning Standards

Mathematics Learning Targets: K.CC.A.3, K.CC.B.5, K.OA.A.1, K.OA.A.2, K.OA.A.5

Mathematics Practices: MP.2, MP.3, MP.4, MP.6, MP.7, MP.8

Cross Curricular Standards: [8.1.2.CS.1](#), [K-2ETS1-1](#), [K-2-ETS1-2](#)

Overview of Activities

Teacher's Guide/ Resources

**Core Instructional
Materials**

Technology Infusion

<p>Topic 7 Opener Understand Subtraction</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 0-10 ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 7-1 Understand subtraction</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 0-10 ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 7-2 Represent subtraction as taking apart</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 0-10 ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 7-3 Represent subtraction as taking from</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 0-10 ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 7-4 Represent and explain subtraction with equations</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 0-10 ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 7-5 Solve subtraction word problems: taking from and apart</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 0-10 ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 7-6 Use patterns to develop fluency in subtraction</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 0-10 ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 7-7 Problem solving: use appropriate tools</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 0-10 ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
<p>Reteaching/Vocabulary review</p>	<p>enVision Daily Review Reteach to Build Understanding Reteaching pages in workbook Digital Math Tools activities Language Support Handbook</p>		<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● i Pads

Topic Assessment Understand subtraction	enVision Daily Review Topic 7 assessment	Topic assessment	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● i Pads
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Formative Assessment Plan	Summative Assessment Plan
<p><i>Formative assessment informs instruction and is on going through a unit to determine how students are progressing with the high expectations of standards.</i></p> <p>Suggested activities to assess student progress:</p> <ul style="list-style-type: none"> ● math journal ● mid-chapter check ● standards practice ● homework 	<p><i>Summative assessment is an opportunity for students to demonstrate mastery of the skills taught during a particular unit.</i></p> <p>Final Assessment/Benchmark/Project: Topic 7 assessment</p> <p>Suggested skills to be assessed: <i>subtraction</i> <i>representing subtraction</i> <i>solve word problems</i> <i>patterns to develop fluency</i></p>

Differentiation

Special Education	ELL	At Risk	Gifted and Talented
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<ul style="list-style-type: none"> • RTI • Modify and accommodate as listed in student's IEP or 504 plan • Utilize effective amount of wait time • Hold high expectations • Communicate directions clearly and concisely and repeat, reword, modify as necessary. • Utilize open-ended questioning techniques • Utilize scaffolding to support instruction. • Chunk tasks into smaller components • Provide step by step instructions • Model and use visuals as often as possible • Utilize extended time and/or reduce amount of items given for homework, quizzes, and tests. • Teach Tiers 1,2, and 3 words to assist students' understanding of instructional texts. • Utilize a variety of formative assessments to drive next point of instruction/differentiated instructional practices. • Create rubrics/allow students to assist with task, so that all are aware of expectations. • Create modified assessments. • Allow students to utilize online books, when available, to listen to oral recorded reading. • Provide individualized assistance as necessary. • Allow for group work (strategically selected) and collaboration as necessary. • Utilize homework recorder within SIS. • Allow for copies of notes to be shared out. • Utilize assistive technology as appropriate. • Provide meaningful feedback 	<ul style="list-style-type: none"> • RTI • Speech/Language Therapy • Rosetta Stone • Hold high expectations • Provide English/Spanish Dictionary for use • Place with Spanish speaking teacher/paraprofessional as available • Learn/Utilize/Display some words in the students' native language • Invite student to after school tutoring sessions • Basic Skills Instruction • Utilize formative assessments to drive instruction • Translate printed communications for parents in native language • Hold conferences with translator present • Utilize additional NJDOE resources/recommendations • Review Special Education listing for additional recommendations • Establish a consistent and daily routine 	<ul style="list-style-type: none"> • RTI Tiered Interventions following RTI framework • Support instruction with RTI intervention resources • Provide after school tutoring services • Basic Skills Instruction • Hold high expectations • Utilize Go Math! RTI strategies • Fountas and Pinnell Phonics • Hold parent conferences fall and spring • Make modifications to instructional plans based on I and RS Plan. • Develop a record system to encourage good behavior and completion of work. • Establish a consistent and daily routine. 	<ul style="list-style-type: none"> • Organize the curriculum to include more elaborate, complex, and in-depth study of major ideas and problems through Compacting. • Allow for the development and application of productive thinking skills to enable students to re-conceptualize existing knowledge and/or generate new knowledge. • Enable students to explore continually changing knowledge and information and develop the attitude that knowledge is worth pursuing in an open world. • Encourage exposure to, selection and use of appropriate and specialized resources. • Promote self-initiated and self-directed learning and growth. • Provide for the development of self-understanding of one's relationships with people, societal institutions, nature and culture. • Continue to offer Accelerated Mathematics 7 (7th grade) and Algebra 1 (8th grade).
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**Quinton Township School District
Math
Kindergarten**

Pacing Chart/Curriculum MAP

Marking Period:	3	Unit Title:	Topic 8	Pacing:	15 days
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Unit Summary: In Topic 8, students expand their work with addition and subtraction working with groups up to 10. They write equations and begin early work towards fact fluency.

Objectives:

Write an addition equation to solve a word problem.

Solve related addition and subtraction equations.

Reason about numbers and operations

Write addition and subtraction equations within 5 and remember them.

Write an addition equation to solve a word problem.

Show how to make a group of 10.

Find number parts for 10.

Find a missing part to make 10.

Essential Questions:

How can you use an addition equation to show the parts when you know the whole?

How does knowing addition help you subtract?

How does telling a story help to prove an equation is correct?

What are some ways you can solve addition and subtraction equations?

How can you solve an addition problem with counters, a drawing, or an equation?

How can you use an addition equation to show parts of a number in a problem?

How can you show 10 in more than one way?

How can you use an addition equation to show parts of 10 in a problem?

How can you find a missing part to make 10?

What are different numbers that when added together equal 10?

New Jersey Student Learning Standards

Mathematics Learning Targets: K.CC.A.3, K.CC.B.5, K.OA.A.1, K.OA.A.2, K.OA.A.5

Mathematics Practices: MP.2, MP.3, MP.4, MP.6, MP.7, MP.8

Cross Curricular Standards: 8.1.2.CS.1, K-2-ETS1-1, K-2-ETS1-2

Overview of Activities	Teacher's Guide/ Resources	Core Instructional Materials	Technology Infusion
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<p>Topic 8 Opener More addition and subtraction</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 0-10 ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 8-1 Decompose 5 to Solve Problems</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 0-10 ● crayons ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 8-2 Related Facts</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 0-10 ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 8-3 Problem Solving Reasoning</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 0-10 ● part-part mat ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 8-4 Fluently add and subtract to 5</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 0-10 ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 8-5 Decompose 6 and 7 to solve problems</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 0-10 ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 8-6 Decompose 8 and 9 to solve problems</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 0-10 ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 8-7 Ways to make 10</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 0-10 ● crayons ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 8-8 Decompose 10 to solve problems</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 0-10 ● ten-frame paper ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 8-9 Find the missing part of 10</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 0-10 ● crayons ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 8-10 Continue to find the missing part of 10</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 0-10 ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
<p>Reteaching/Vocabulay Review More addition and subtraction</p>	<p>enVision Daily Review Reteach to Build Understanding Reteaching pages in workbook Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 0-10 ● crayons ● part-part mat ● ten frame paper ● student edition 	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● i Pads

Topic Assessment More addition and subtraction	enVision Daily Review Topic 8 assessment	Topic assessment	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● i Pads
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Formative Assessment Plan	Summative Assessment Plan
<p><i>Formative assessment informs instruction and is on going through a unit to determine how students are progressing with the high expectations of standards.</i></p> <p>Suggested activities to assess student progress:</p> <ul style="list-style-type: none"> ● math journal ● mid-chapter check ● standards practice ● homework 	<p><i>Summative assessment is an opportunity for students to demonstrate mastery of the skills taught during a particular unit.</i></p> <p>Final Assessment/Benchmark/Project: Topic 8 assessment</p> <p>Suggested skills to be assessed: <i>write different ways to break apart a number and write equations</i> <i>find the missing part of 10</i> <i>write the equation to tell a different way to separate a whole into 2 parts</i></p>

Differentiation

Special Education	ELL	At Risk	Gifted and Talented
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<ul style="list-style-type: none"> • RTI • Modify and accommodate as listed in student's IEP or 504 plan • Utilize effective amount of wait time • Hold high expectations • Communicate directions clearly and concisely and repeat, reword, modify as necessary. • Utilize open-ended questioning techniques • Utilize scaffolding to support instruction. • Chunk tasks into smaller components • Provide step by step instructions • Model and use visuals as often as possible • Utilize extended time and/or reduce amount of items given for homework, quizzes, and tests. • Teach Tiers 1,2, and 3 words to assist students' understanding of instructional texts. • Utilize a variety of formative assessments to drive next point of instruction/differentiated instructional practices. • Create rubrics/allow students to assist with task, so that all are aware of expectations. • Create modified assessments. • Allow students to utilize online books, when available, to listen to oral recorded reading. • Provide individualized assistance as necessary. • Allow for group work (strategically selected) and collaboration as necessary. • Utilize homework recorder within SIS. • Allow for copies of notes to be shared out. • Utilize assistive technology as appropriate. • Provide meaningful feedback 	<ul style="list-style-type: none"> • RTI • Speech/Language Therapy • Rosetta Stone • Hold high expectations • Provide English/Spanish Dictionary for use • Place with Spanish speaking teacher/paraprofessional as available • Learn/Utilize/Display some words in the students' native language • Invite student to after school tutoring sessions • Basic Skills Instruction • Utilize formative assessments to drive instruction • Translate printed communications for parents in native language • Hold conferences with translator present • Utilize additional NJDOE resources/recommendations • Review Special Education listing for additional recommendations • Establish a consistent and daily routine 	<ul style="list-style-type: none"> • RTI Tiered Interventions following RTI framework • Support instruction with RTI intervention resources • Provide after school tutoring services • Basic Skills Instruction • Hold high expectations • Utilize Go Math! RTI strategies • Fountas and Pinnell Phonics • Hold parent conferences fall and spring • Make modifications to instructional plans based on I and RS Plan. • Develop a record system to encourage good behavior and completion of work. • Establish a consistent and daily routine. 	<ul style="list-style-type: none"> • Organize the curriculum to include more elaborate, complex, and in-depth study of major ideas and problems through Compacting. • Allow for the development and application of productive thinking skills to enable students to re-conceptualize existing knowledge and/or generate new knowledge. • Enable students to explore continually changing knowledge and information and develop the attitude that knowledge is worth pursuing in an open world. • Encourage exposure to, selection and use of appropriate and specialized resources. • Promote self-initiated and self-directed learning and growth. • Provide for the development of self-understanding of one's relationships with people, societal institutions, nature and culture. • Continue to offer Accelerated Mathematics 7 (7th grade) and Algebra 1 (8th grade).
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Quinton Township School District
Math
Kindergarten

Pacing Chart/Curriculum MAP

Marking Period:	3	Unit Title:	Topic 9	Pacing:	12 days
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Unit Summary: In Topic 9, students expand their fluency with counting and writing numbers by working with numbers to 20.

Objectives:

- Count and write the numbers 11 through 20.
- Count forward from any number to a number within 20.
- Count to find how many are in a group.
- Use reasoning to count and write numbers to the number 20.

Essential Questions:

- Why does each number need its own symbol?
- Why do you write every number in a different way?
- What other ways can you show how many besides drawing pictures?
- Why does every number look different?
- When you count from one number to another, which numbers do you count?
- How do you know the number of objects does not change when you rearrange the objects?
- When can you get more than one possible answer to a problem when counting?

New Jersey Student Learning Standards

Mathematics Learning Targets: K.CC.A.2, K.CC.A.3, K.CC.B.5, K.CC.B.4c

Mathematics Practices: MP.2, MP.3, MP.4, MP.6, MP.7, MP.8

Cross Curricular Standards: 8.1.2.CS.1, K-2-ETS1-1, K-2-ETS1-2

Overview of Activities	Teacher's Guide/ Resources	Core Instructional Materials	Technology Infusion
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<p>Topic 9 Opener Count numbers to 20</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 0-10 ● number cards 11-20 ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 9-1 Count, read, and write 11 and 12</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 0-10 ● number cards 11-20 ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 9-2 Count, read, and write 13, 14, and 15</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 0-10 ● number cards 11-20 ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 9-3 Count, read, and write 16 and 17</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 11-20 ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 9-4 Count, read, and write 18, 19, and 20</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 11-20 ● double 10 frame paper ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 9-5 Count forward to any number to 20</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 0-10 ● number cards 11-20 ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 9-6 Count to find how many</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 0-10 ● number cards 11-20 ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 9-7 Problem solving: reasoning</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 0-10 ● number cards 11-20 ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
<p>Reteaching/Vocabulay Review Count Numbers to 20</p>	<p>enVision Daily Review Reteach to Build Understanding Reteaching pages in workbook Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 0-10 ● number cards 11-20 ● student edition 	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads

Topic Assessment Count Numbers to 20	enVision Daily Review Topic 9 assessment	Topic assessment	<ul style="list-style-type: none"> • Smart Board Applications • Google Applications • iPads
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Formative Assessment Plan	Summative Assessment Plan
<p><i>Formative assessment informs instruction and is on going through a unit to determine how students are progressing with the high expectations of standards.</i></p> <p>Suggested activities to assess student progress:</p> <ul style="list-style-type: none"> • math journal • mid-chapter check • standards practice • homework 	<p><i>Summative assessment is an opportunity for students to demonstrate mastery of the skills taught during a particular unit.</i></p> <p>Final Assessment/Benchmark/Project: Topic 9 assessment</p> <p>Suggested skills to be assessed: <i>Count, read, and write the numbers 11-20</i> <i>Counting up strategy</i> <i>Counting to find how many in a group</i></p>

Differentiation

Special Education	ELL	At Risk	Gifted and Talented
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<ul style="list-style-type: none"> • RTI • Modify and accommodate as listed in student's IEP or 504 plan • Utilize effective amount of wait time • Hold high expectations • Communicate directions clearly and concisely and repeat, reword, modify as necessary. • Utilize open-ended questioning techniques • Utilize scaffolding to support instruction. • Chunk tasks into smaller components • Provide step by step instructions • Model and use visuals as often as possible • Utilize extended time and/or reduce amount of items given for homework, quizzes, and tests. • Teach Tiers 1,2, and 3 words to assist students' understanding of instructional texts. • Utilize a variety of formative assessments to drive next point of instruction/differentiated instructional practices. • Create rubrics/allow students to assist with task, so that all are aware of expectations. • Create modified assessments. • Allow students to utilize online books, when available, to listen to oral recorded reading. • Provide individualized assistance as necessary. • Allow for group work (strategically selected) and collaboration as necessary. • Utilize homework recorder within SIS. • Allow for copies of notes to be shared out. • Utilize assistive technology as appropriate. • Provide meaningful feedback 	<ul style="list-style-type: none"> • RTI • Speech/Language Therapy • Rosetta Stone • Hold high expectations • Provide English/Spanish Dictionary for use • Place with Spanish speaking teacher/paraprofessional as available • Learn/Utilize/Display some words in the students' native language • Invite student to after school tutoring sessions • Basic Skills Instruction • Utilize formative assessments to drive instruction • Translate printed communications for parents in native language • Hold conferences with translator present • Utilize additional NJDOE resources/recommendations • Review Special Education listing for additional recommendations • Establish a consistent and daily routine 	<ul style="list-style-type: none"> • RTI Tiered Interventions following RTI framework • Support instruction with RTI intervention resources • Provide after school tutoring services • Basic Skills Instruction • Hold high expectations • Utilize Go Math! RTI strategies • Fountas and Pinnell Phonics • Hold parent conferences fall and spring • Make modifications to instructional plans based on I and RS Plan. • Develop a record system to encourage good behavior and completion of work. • Establish a consistent and daily routine. 	<ul style="list-style-type: none"> • Organize the curriculum to include more elaborate, complex, and in-depth study of major ideas and problems through Compacting. • Allow for the development and application of productive thinking skills to enable students to re-conceptualize existing knowledge and/or generate new knowledge. • Enable students to explore continually changing knowledge and information and develop the attitude that knowledge is worth pursuing in an open world. • Encourage exposure to, selection and use of appropriate and specialized resources. • Promote self-initiated and self-directed learning and growth. • Provide for the development of self-understanding of one's relationships with people, societal institutions, nature and culture. • Continue to offer Accelerated Mathematics 7 (7th grade) and Algebra 1 (8th grade).
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**Quinton Township School District
Math
Kindergarten**

Pacing Chart/Curriculum MAP

Marking Period:	4	Unit Title:	Chapter 10	Pacing:	12 days
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Unit Summary: In Topic 10, students apply many strategies to compose and decompose numbers 11 to 19.

Objectives:

- Use drawings and equations to make the numbers 11, 12, 13.
- Make the numbers 14, 15, and 16.
- Make the numbers 17, 18, and 19.
- Find parts of the numbers 11, 12, and 13 when one part is 10.
- Find parts of the numbers 14, 15, and 16 when one part is 10.
- Find parts of the numbers 17, 18, and 19 when one part is 10.
- Use patterns to make and find the parts of numbers to 19.

Essential Questions:

- How can you write an equation to describe numbers that are greater than 10?
- How can you show numbers that are greater than 10 as 10 ones and some more ones?
- How are the numbers 11-19 like the numbers 1-9?

New Jersey Student Learning Standards

Mathematics Learning Targets: K.CC.B.5, K.NBT.A.1

Mathematics Practices: MP.2, MP.3, MP.4, MP.6, MP.7, MP.8

Cross Curricular Standards: 8.1.2.CS.1, K-2-ETS1-1, K-2-ETS1-2

Overview of Activities	Teacher's Guide/ Resources	Core Instructional Materials	Technology Infusion
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<p>Topic 10 Opener Compose and Decompose numbers 11-19</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 0-10 ● number cards 11-20 ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 10-1 Make 11, 12, and 13</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● number cards 11-20 ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 10-2 Make 14, 15, and 16</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● number cards 11-20 ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 10-3 Make 17, 18, and 19</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● number cards 11-20 ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 10-4 Find parts of 11, 12, and 13</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● number cards 11-20 ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>10-5 Find parts of 14, 15, and 16</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● number cards 11-20 ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>10-6 Find parts of 17, 18, and 19</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● double ten frame paper ● crayons ● number cards 11-20 ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>10-7 Problem solving: Look for and use structure</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● crayons ● number cards 11-20 ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
<p>Reteaching/Vocabulay Review Compose and Decompose numbers 11-19</p>	<p>Reteach to Build Understanding Reteaching pages in workbook Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● two color counters ● connecting cubes ● double ten frame paper ● crayons ● number cards 11-20 ● student edition 	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads

Topic assessment Compose and Decompose numbers 11-19	enVision Daily Review Topic 10 assessment	Topic assessment	<ul style="list-style-type: none"> • Smart Board Applications • Google Applications • iPads
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Formative Assessment Plan	Summative Assessment Plan
<p><i>Formative assessment informs instruction and is on going through a unit to determine how students are progressing with the high expectations of standards.</i></p> <p>Suggested activities to assess student progress:</p> <ul style="list-style-type: none"> • math journal • mid-chapter check • standards practice • homework 	<p><i>Summative assessment is an opportunity for students to demonstrate mastery of the skills taught during a particular unit.</i></p> <p>Final Assessment/Benchmark/Project: Topic 10 assessment</p> <p>Suggested skills to be assessed: <i>Counting numbers 11-19</i> <i>Deconstructing numbers 11-19</i> <i>Making groups of 11-19</i></p>

Differentiation

Special Education	ELL	At Risk	Gifted and Talented
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<ul style="list-style-type: none"> • RTI • Modify and accommodate as listed in student's IEP or 504 plan • Utilize effective amount of wait time • Hold high expectations • Communicate directions clearly and concisely and repeat, reword, modify as necessary. • Utilize open-ended questioning techniques • Utilize scaffolding to support instruction. • Chunk tasks into smaller components • Provide step by step instructions • Model and use visuals as often as possible • Utilize extended time and/or reduce amount of items given for homework, quizzes, and tests. • Teach Tiers 1,2, and 3 words to assist students' understanding of instructional texts. • Utilize a variety of formative assessments to drive next point of instruction/differentiated instructional practices. • Create rubrics/allow students to assist with task, so that all are aware of expectations. • Create modified assessments. • Allow students to utilize online books, when available, to listen to oral recorded reading. • Provide individualized assistance as necessary. • Allow for group work (strategically selected) and collaboration as necessary. • Utilize homework recorder within SIS. • Allow for copies of notes to be shared out. • Utilize assistive technology as appropriate. • Provide meaningful feedback 	<ul style="list-style-type: none"> • RTI • Speech/Language Therapy • Rosetta Stone • Hold high expectations • Provide English/Spanish Dictionary for use • Place with Spanish speaking teacher/paraprofessional as available • Learn/Utilize/Display some words in the students' native language • Invite student to after school tutoring sessions • Basic Skills Instruction • Utilize formative assessments to drive instruction • Translate printed communications for parents in native language • Hold conferences with translator present • Utilize additional NJDOE resources/recommendations • Review Special Education listing for additional recommendations • Establish a consistent and daily routine 	<ul style="list-style-type: none"> • RTI Tiered Interventions following RTI framework • Support instruction with RTI intervention resources • Provide after school tutoring services • Basic Skills Instruction • Hold high expectations • Utilize Go Math! RTI strategies • Fountas and Pinnell Phonics • Hold parent conferences fall and spring • Make modifications to instructional plans based on I and RS Plan. • Develop a record system to encourage good behavior and completion of work. • Establish a consistent and daily routine. 	<ul style="list-style-type: none"> • Organize the curriculum to include more elaborate, complex, and in-depth study of major ideas and problems through Compacting. • Allow for the development and application of productive thinking skills to enable students to re-conceptualize existing knowledge and/or generate new knowledge. • Enable students to explore continually changing knowledge and information and develop the attitude that knowledge is worth pursuing in an open world. • Encourage exposure to, selection and use of appropriate and specialized resources. • Promote self-initiated and self-directed learning and growth. • Provide for the development of self-understanding of one's relationships with people, societal institutions, nature and culture. • Continue to offer Accelerated Mathematics 7 (7th grade) and Algebra 1 (8th grade).
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**Quinton Township School District
Math
Kindergarten**

Pacing Chart/Curriculum MAP

Marking Period:	4	Unit Title:	Topic 11	Pacing:	10 days
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Unit Summary: In Topic 11, students tackle counting numbers to 100. They apply patterns to gradually build to that number and practice counting forward from any number to 100 by ones.

Objectives:

Use patterns to count to 30.

Use patterns to count to 50.

Use patterns to count to 100.

Count forward from any number to 100 by ones.

Identify patterns when counting.

Essential Questions:

How can you find patterns when you count?

What do you notice about numbers when you count to 50?

How can you count by tens to 100?

How does using a hundred chart help you count from any number to another?

What are ways you can count on a hundred chart?

New Jersey Student Learning Standards

Mathematics Learning Targets: K.CC.A.1, K.CC.A.2

Mathematics Practices: MP.1, MP.2, MP.3, MP.4, MP.5, MP.6, MP.7, MP.8

Cross Curricular Standards: 8.1.2.CS.1, K-2-ETS1-1, K-2-ETS1-2

Overview of Activities

Teacher's Guide/ Resources

**Core Instructional
Materials**

Technology Infusion

<p>Topic 11 Opener: Count Numbers to 100</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● number chart ● double ten frame paper ● crayons ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 11-1 Count using patterns to 30</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● number chart ● crayons ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 11-2 Count using patterns to 50</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● number chart ● color counters ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 11-3 Count using patterns to 100</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● number chart ● color counters ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 11-4 Count by ones to 100</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● Hundred chart ● crayons ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 11-5 Problem Solving: Look for and use structure</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● Hundred chart ● crayons ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
<p>Reteaching/Vocabulary Review Count numbers to 100</p>	<p>Reteach to Build Understanding Reteaching pages in workbook Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● Hundred chart ● color counters ● crayons ● student edition 	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads

Topic assessment Count numbers to 100	enVision Daily Review Topic 11 assessment	Topic assessment	<ul style="list-style-type: none"> • Smart Board Applications • Google Applications • iPads
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Formative Assessment Plan	Summative Assessment Plan
<p><i>Formative assessment informs instruction and is on going through a unit to determine how students are progressing with the high expectations of standards.</i></p> <p>Suggested activities to assess student progress:</p> <ul style="list-style-type: none"> • math journal • mid-chapter check • standards practice • homework 	<p><i>Summative assessment is an opportunity for students to demonstrate mastery of the skills taught during a particular unit.</i></p> <p>Final Assessment/Benchmark/Project: Topic 11 assessment</p> <p>Suggested skills to be assessed: <i>counting to 30, 50, and 100</i> <i>finding and describing patterns in the hundreds chart</i></p>

Differentiation

Special Education	ELL	At Risk	Gifted and Talented
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<ul style="list-style-type: none"> • RTI • Modify and accommodate as listed in student's IEP or 504 plan • Utilize effective amount of wait time • Hold high expectations • Communicate directions clearly and concisely and repeat, reword, modify as necessary. • Utilize open-ended questioning techniques • Utilize scaffolding to support instruction. • Chunk tasks into smaller components • Provide step by step instructions • Model and use visuals as often as possible • Utilize extended time and/or reduce amount of items given for homework, quizzes, and tests. • Teach Tiers 1,2, and 3 words to assist students' understanding of instructional texts. • Utilize a variety of formative assessments to drive next point of instruction/differentiated instructional practices. • Create rubrics/allow students to assist with task, so that all are aware of expectations. • Create modified assessments. • Allow students to utilize online books, when available, to listen to oral recorded reading. • Provide individualized assistance as necessary. • Allow for group work (strategically selected) and collaboration as necessary. • Utilize homework recorder within SIS. • Allow for copies of notes to be shared out. • Utilize assistive technology as appropriate. • Provide meaningful feedback 	<ul style="list-style-type: none"> • RTI • Speech/Language Therapy • Rosetta Stone • Hold high expectations • Provide English/Spanish Dictionary for use • Place with Spanish speaking teacher/paraprofessional as available • Learn/Utilize/Display some words in the students' native language • Invite student to after school tutoring sessions • Basic Skills Instruction • Utilize formative assessments to drive instruction • Translate printed communications for parents in native language • Hold conferences with translator present • Utilize additional NJDOE resources/recommendations • Review Special Education listing for additional recommendations • Establish a consistent and daily routine 	<ul style="list-style-type: none"> • RTI Tiered Interventions following RTI framework • Support instruction with RTI intervention resources • Provide after school tutoring services • Basic Skills Instruction • Hold high expectations • Utilize Go Math! RTI strategies • Fountas and Pinnell Phonics • Hold parent conferences fall and spring • Make modifications to instructional plans based on I and RS Plan. • Develop a record system to encourage good behavior and completion of work. • Establish a consistent and daily routine. 	<ul style="list-style-type: none"> • Organize the curriculum to include more elaborate, complex, and in-depth study of major ideas and problems through Compacting. • Allow for the development and application of productive thinking skills to enable students to re-conceptualize existing knowledge and/or generate new knowledge. • Enable students to explore continually changing knowledge and information and develop the attitude that knowledge is worth pursuing in an open world. • Encourage exposure to, selection and use of appropriate and specialized resources. • Promote self-initiated and self-directed learning and growth. • Provide for the development of self-understanding of one's relationships with people, societal institutions, nature and culture. • Continue to offer Accelerated Mathematics 7 (7th grade) and Algebra 1 (8th grade).
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**Quinton Township School District
Math
Kindergarten**

Pacing Chart/Curriculum MAP

Marking Period:	4	Unit Title:	Topic 12	Pacing:	12 days
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Unit Summary: In Topic 12, students explore geometry. They identify and describe shapes and their characteristics and analyze shapes in their environment.

Objectives:

Name shapes as flat or solid.

Identify and describe circles and triangles.

Identify and describe squares and other rectangles.

Describe and identify hexagons.

Describe and identify solid figures.

Describe shapes in the environment.

Describe positions of shapes in the environment.

Essential Questions:

How are objects that have solid shapes different from objects that have flat shapes?
How do you tell the difference between a circle and a triangle?
What makes a square a special rectangle?
How do you know whether a shape is a hexagon?
How are spheres, cubes, cylinders, and cones the same?
What words can you use to describe the shape and position of objects in the environment?
Why is it important to explain your answer?

New Jersey Student Learning Standards

Mathematics Learning Targets: K.CC.A.1, K.MD.B.3, K.G.A.1, K.G.A.2, K.G.A.3, K.G.B.4

Mathematics Practices: MP.1, MP.2, MP.3, MP.4, MP.5, MP.6, MP.7, MP.8

Cross Curricular Standards: [8.1.2.CS.1](#), [K-2-ETS1-1](#), [K-2-ETS1-2](#)

Overview of Activities

Teacher's Guide/ Resources

**Core Instructional
Materials**

Technology Infusion

<p>Topic 12 Opener: Identify and describe shapes</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● 2D and 3D shapes ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 12-1 Two dimensional (2D) and three dimensional (3D) shapes</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● 2D and 3D shapes ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 12-2 Circles and triangles</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● circles paper ● triangles paper ● squares paper ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 12-3 Squares and other rectangles</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● squares paper ● rectangles paper ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 12-4 Hexagons</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● hexagons paper ● pattern blocks ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 12-5 Solid figures</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● 3D shapes and real life objects paper ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 12-6 Describe shapes in the environment</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● number cards 1-10 ● connecting cubes ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 7 Problem Solving: Precision</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● connecting cubes ● two color counters ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Reteaching/Vocabulary Identify and describe shapes</p>	<p>Reteach to Build Understanding Reteaching pages in workbook Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● circles paper ● triangles paper ● squares paper ● rectangles paper ● hexagon paper ● connecting cubes ● two color counters ● number cards 1-10 ● 3D shapes and real life objects paper ● student edition 	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads
<p>Topic assessment Identify and describe shapes</p>	<p>enVision Daily Review Topic 12 assessment</p>	<p>Topic assessment</p>	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads

<p>Formative Assessment Plan</p>	<p>Summative Assessment Plan</p>
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Formative assessment informs instruction and is on going through a unit to determine how students are progressing with the high expectations of standards.

Suggested activities to assess student progress:

- math journal
- mid-chapter check
- standards practice
- homework

Summative assessment is an opportunity for students to demonstrate mastery of the skills taught during a particular unit.

Final Assessment/Benchmark/Project: Topic 12 assessment

Suggested skills to be assessed:

name and describe the shapes: triangle, circle, square, rectangle, and hexagon

Differentiation

Special Education

ELL

At Risk

Gifted and Talented

<ul style="list-style-type: none"> • RTI • Modify and accommodate as listed in student's IEP or 504 plan • Utilize effective amount of wait time • Hold high expectations • Communicate directions clearly and concisely and repeat, reword, modify as necessary. • Utilize open-ended questioning techniques • Utilize scaffolding to support instruction. • Chunk tasks into smaller components • Provide step by step instructions • Model and use visuals as often as possible • Utilize extended time and/or reduce amount of items given for homework, quizzes, and tests. • Teach Tiers 1,2, and 3 words to assist students' understanding of instructional texts. • Utilize a variety of formative assessments to drive next point of instruction/differentiated instructional practices. • Create rubrics/allow students to assist with task, so that all are aware of expectations. • Create modified assessments. • Allow students to utilize online books, when available, to listen to oral recorded reading. • Provide individualized assistance as necessary. • Allow for group work (strategically selected) and collaboration as necessary. • Utilize homework recorder within SIS. • Allow for copies of notes to be shared out. • Utilize assistive technology as appropriate. • Provide meaningful feedback 	<ul style="list-style-type: none"> • RTI • Speech/Language Therapy • Rosetta Stone • Hold high expectations • Provide English/Spanish Dictionary for use • Place with Spanish speaking teacher/paraprofessional as available • Learn/Utilize/Display some words in the students' native language • Invite student to after school tutoring sessions • Basic Skills Instruction • Utilize formative assessments to drive instruction • Translate printed communications for parents in native language • Hold conferences with translator present • Utilize additional NJDOE resources/recommendations • Review Special Education listing for additional recommendations • Establish a consistent and daily routine 	<ul style="list-style-type: none"> • RTI Tiered Interventions following RTI framework • Support instruction with RTI intervention resources • Provide after school tutoring services • Basic Skills Instruction • Hold high expectations • Utilize Go Math! RTI strategies • Fountas and Pinnell Phonics • Hold parent conferences fall and spring • Make modifications to instructional plans based on I and RS Plan. • Develop a record system to encourage good behavior and completion of work. • Establish a consistent and daily routine. 	<ul style="list-style-type: none"> • Organize the curriculum to include more elaborate, complex, and in-depth study of major ideas and problems through Compacting. • Allow for the development and application of productive thinking skills to enable students to re-conceptualize existing knowledge and/or generate new knowledge. • Enable students to explore continually changing knowledge and information and develop the attitude that knowledge is worth pursuing in an open world. • Encourage exposure to, selection and use of appropriate and specialized resources. • Promote self-initiated and self-directed learning and growth. • Provide for the development of self-understanding of one's relationships with people, societal institutions, nature and culture. • Continue to offer Accelerated Mathematics 7 (7th grade) and Algebra 1 (8th grade).
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**Quinton Township School District
Math
Kindergarten**

Pacing Chart/Curriculum MAP

Marking Period:	4	Unit Title:	Topic 13	Pacing:	12 days
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Unit Summary: In Topic 13, students continue their geometry journey, as they analyze, compare, and create shapes. They also compare and contrast 2D and 3D shapes.

Objectives:

- Analyze and compare 2D shapes.
- Analyze and compare 3D shapes.
- Analyze and compare 2D and 3D shapes.
- Make sense of problems about shapes.
- Make 2D shapes using other 2D shapes.
- Build 2D shapes that match given attributes.
- Use materials to build 3D shapes.

Essential Questions:

What information can help you identify a 2D shape?

Which 3D shapes can roll? Which can stack? Which can slide?

How do 3D shapes contain 2D shapes?

How can you use clues to identify a shape?

How can you make a new shape by putting together smaller shapes?

How do you build a given 2D shape?

How can you combine 3D shapes to make other 3D shapes?

New Jersey Student Learning Standards

Mathematics Learning Targets: K.CC.B.5, K.CC.C.6, K.OA.A.4, K.G.A.1, K.G.A.3, K.G.B.4, K.G.B.5, K.G.B.6

Mathematics Practices: MP.1, MP.2, MP.3, MP.4, MP.5, MP.6, MP.7, MP.8

Cross Curricular Standards: [8.1.2.CS.1](#), [K-2-ETS1-1](#), [K-2-ETS1-2](#), [K-2-ETS1-3](#)

Overview of Activities

Teacher's Guide/ Resources

**Core Instructional
Materials**

Technology Infusion

<p>Topic 13 Opener: Analyze, compare, and create shapes</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● 2D and 3D shapes ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 13-1 Analyze and compare 2D shapes</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● 2D and 3D shapes ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 13-2 Analyze and compare 3D shapes</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● 2D and 3D shapes ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 13-3 Compare 2D and 3D shapes</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● 3D shapes and real life objects paper ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 13-4 Problem solving: make sense and persevere</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● 3D shapes and real life objects paper ● attribute blocks paper ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 13-5 Make 2D shapes from other 2D shapes</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● construction paper right triangles ● pattern blocks ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 13-6 Build 2D Shapes</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● yarn/string ● pipe cleaners ● straws ● scissors ● tape ● pattern blocks ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 13-7 Build 2D Shapes</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● small cubes ● clay ● craft sticks ● building with solid figures ● paper ● straws ● yarn/string ● pipe cleaners ● scissors ● tape ● paper ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
<p>Reteaching/Vocabulary Analyze, compare, and create shapes</p>	<p>Reteach to Build Understanding Reteaching pages in workbook Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● 3D shapes and real life objects ● paper ● attribute blocks ● paper ● student edition 	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads

Topic assessment Analyze, compare, and create shapes	enVision Daily Review Topic 13 assessment	Topic assessment	<ul style="list-style-type: none"> • Smart Board Applications • Google Applications • iPads
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Formative Assessment Plan	Summative Assessment Plan
<p><i>Formative assessment informs instruction and is on going through a unit to determine how students are progressing with the high expectations of standards.</i></p> <p>Suggested activities to assess student progress:</p> <ul style="list-style-type: none"> • math journal • mid-chapter check • standards practice • homework 	<p><i>Summative assessment is an opportunity for students to demonstrate mastery of the skills taught during a particular unit.</i></p> <p>Final Assessment/Benchmark/Project: Topic 13 assessment</p> <p>Suggested skills to be assessed: <i>name and make various 2D and 3D shapes compare 2D and 3D shapes</i></p>

Differentiation

Special Education	ELL	At Risk	Gifted and Talented
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<ul style="list-style-type: none"> • RTI • Modify and accommodate as listed in student's IEP or 504 plan • Utilize effective amount of wait time • Hold high expectations • Communicate directions clearly and concisely and repeat, reword, modify as necessary. • Utilize open-ended questioning techniques • Utilize scaffolding to support instruction. • Chunk tasks into smaller components • Provide step by step instructions • Model and use visuals as often as possible • Utilize extended time and/or reduce amount of items given for homework, quizzes, and tests. • Teach Tiers 1,2, and 3 words to assist students' understanding of instructional texts. • Utilize a variety of formative assessments to drive next point of instruction/differentiated instructional practices. • Create rubrics/allow students to assist with task, so that all are aware of expectations. • Create modified assessments. • Allow students to utilize online books, when available, to listen to oral recorded reading. • Provide individualized assistance as necessary. • Allow for group work (strategically selected) and collaboration as necessary. • Utilize homework recorder within SIS. • Allow for copies of notes to be shared out. • Utilize assistive technology as appropriate. • Provide meaningful feedback 	<ul style="list-style-type: none"> • RTI • Speech/Language Therapy • Rosetta Stone • Hold high expectations • Provide English/Spanish Dictionary for use • Place with Spanish speaking teacher/paraprofessional as available • Learn/Utilize/Display some words in the students' native language • Invite student to after school tutoring sessions • Basic Skills Instruction • Utilize formative assessments to drive instruction • Translate printed communications for parents in native language • Hold conferences with translator present • Utilize additional NJDOE resources/recommendations • Review Special Education listing for additional recommendations • Establish a consistent and daily routine 	<ul style="list-style-type: none"> • RTI Tiered Interventions following RTI framework • Support instruction with RTI intervention resources • Provide after school tutoring services • Basic Skills Instruction • Hold high expectations • Utilize Go Math! RTI strategies • Fountas and Pinnell Phonics • Hold parent conferences fall and spring • Make modifications to instructional plans based on I and RS Plan. • Develop a record system to encourage good behavior and completion of work. • Establish a consistent and daily routine. 	<ul style="list-style-type: none"> • Organize the curriculum to include more elaborate, complex, and in-depth study of major ideas and problems through Compacting. • Allow for the development and application of productive thinking skills to enable students to re-conceptualize existing knowledge and/or generate new knowledge. • Enable students to explore continually changing knowledge and information and develop the attitude that knowledge is worth pursuing in an open world. • Encourage exposure to, selection and use of appropriate and specialized resources. • Promote self-initiated and self-directed learning and growth. • Provide for the development of self-understanding of one's relationships with people, societal institutions, nature and culture. • Continue to offer Accelerated Mathematics 7 (7th grade) and Algebra 1 (8th grade).
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**Quinton Township School District
Math
Kindergarten**

Pacing Chart/Curriculum MAP

Marking Period:	4	Unit Title:	Topic 14	Pacing:	11 days
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Unit Summary: In Topic 14, students describe and compare measurable attributes. They also solve math problems about objects with measurable attributes while working on precision.

Objectives:

- Describe and compare objects by length and height.
- Describe and compare objects by capacity.
- Describe and compare objects by weight.
- Use measurable attributes to describe different objects.
- Use small objects to measure length.
- Solve math problems about objects with measurable attributes by using precision.

Essential Questions:

- What does it mean to compare the lengths or heights of objects?
- What does it mean to compare the capacities of objects?
- What does it mean to compare the weight of objects?
- What attributes can you use to describe objects?
- How can you describe and compare attributes of objects?
- How can you compare the lengths of two objects?

New Jersey Student Learning Standards

Mathematics Learning Targets: K.MD.A.1, K.MD.A.2

Mathematics Practices: MP.1, MP.2, MP.3, MP.4, MP.5, MP.6, MP.7, MP.8

Cross Curricular Standards: 8.1.2.CS.1, K-2-ETS1-1, K-2-ETS1-2, K-2-ETS1-3

Overview of Activities	Teacher's Guide/ Resources	Core Instructional Materials	Technology Infusion
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<p>Topic 14 Opener: Describe and compare measurable attributes</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● enVision STEM project ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 14-1 Describe and compare by length and height</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● connecting cubes ● cube trains ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 14-2 Describe and compare by capacity</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● different sized paper cups ● glue ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 14-3 Describe and compare by weight</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● balance scale ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 14-4 Describe objects by measurable attributes</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● books ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 14-5 Describe and compare objects by measurable attributes</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● enVision STEM project ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
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<p>Lesson 14-6 Problem solving: precision</p>	<p>enVision Daily Review Reteach to Build Understanding Build Mathematical Literacy Enrichment enVision STEM activity Problem solving leveled reading mat Problem Solving Reading Activity Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● connecting cubes ● student edition 	<ul style="list-style-type: none"> ● Interactive Student Edition ● Interactive Additional Practice Workbook ● Today's Challenge ● Interactive Solve & Share ● Visual Learning Animation ● Quick Check ● Interactive Practice Buddy ● Another Look Video ● Math Tools; Math Games
<p>Reteaching/Vocabulary Describe and compare measurable attributes</p>	<p>Reteach to Build Understanding Reteaching pages in workbook Digital math tools activities Language Support Handbook</p>	<ul style="list-style-type: none"> ● connecting cubes ● cube trains ● balance scale ● different sized paper cups ● student edition 	<ul style="list-style-type: none"> ● Smart Board Applications ● Google Applications ● iPads

Topic assessment Describe and compare measurable attributes	enVision Daily Review Topic 14 assessment	Topic assessment	<ul style="list-style-type: none"> • Smart Board Applications • Google Applications • iPads
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Formative Assessment Plan	Summative Assessment Plan
<p><i>Formative assessment informs instruction and is on going through a unit to determine how students are progressing with the high expectations of standards.</i></p> <p>Suggested activities to assess student progress:</p> <ul style="list-style-type: none"> • math journal • mid-chapter check • standards practice • homework 	<p><i>Summative assessment is an opportunity for students to demonstrate mastery of the skills taught during a particular unit.</i></p> <p>Final Assessment/Benchmark/Project: Topic 14 assessment</p> <p>Suggested skills to be assessed: <i>Use different tools to measure object's length</i> <i>Describe which tool is needed for a given measurement</i></p>

Differentiation

Special Education	ELL	At Risk	Gifted and Talented
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<ul style="list-style-type: none"> • RTI • Modify and accommodate as listed in student's IEP or 504 plan • Utilize effective amount of wait time • Hold high expectations • Communicate directions clearly and concisely and repeat, reword, modify as necessary. • Utilize open-ended questioning techniques • Utilize scaffolding to support instruction. • Chunk tasks into smaller components • Provide step by step instructions • Model and use visuals as often as possible • Utilize extended time and/or reduce amount of items given for homework, quizzes, and tests. • Teach Tiers 1,2, and 3 words to assist students' understanding of instructional texts. • Utilize a variety of formative assessments to drive next point of instruction/differentiated instructional practices. • Create rubrics/allow students to assist with task, so that all are aware of expectations. • Create modified assessments. • Allow students to utilize online books, when available, to listen to oral recorded reading. • Provide individualized assistance as necessary. • Allow for group work (strategically selected) and collaboration as necessary. • Utilize homework recorder within SIS. • Allow for copies of notes to be shared out. • Utilize assistive technology as appropriate. • Provide meaningful feedback 	<ul style="list-style-type: none"> • RTI • Speech/Language Therapy • Rosetta Stone • Hold high expectations • Provide English/Spanish Dictionary for use • Place with Spanish speaking teacher/paraprofessional as available • Learn/Utilize/Display some words in the students' native language • Invite student to after school tutoring sessions • Basic Skills Instruction • Utilize formative assessments to drive instruction • Translate printed communications for parents in native language • Hold conferences with translator present • Utilize additional NJDOE resources/recommendations • Review Special Education listing for additional recommendations • Establish a consistent and daily routine 	<ul style="list-style-type: none"> • RTI Tiered Interventions following RTI framework • Support instruction with RTI intervention resources • Provide after school tutoring services • Basic Skills Instruction • Hold high expectations • Utilize Go Math! RTI strategies • Fountas and Pinnell Phonics • Hold parent conferences fall and spring • Make modifications to instructional plans based on I and RS Plan. • Develop a record system to encourage good behavior and completion of work. • Establish a consistent and daily routine. 	<ul style="list-style-type: none"> • Organize the curriculum to include more elaborate, complex, and in-depth study of major ideas and problems through Compacting. • Allow for the development and application of productive thinking skills to enable students to re-conceptualize existing knowledge and/or generate new knowledge. • Enable students to explore continually changing knowledge and information and develop the attitude that knowledge is worth pursuing in an open world. • Encourage exposure to, selection and use of appropriate and specialized resources. • Promote self-initiated and self-directed learning and growth. • Provide for the development of self-understanding of one's relationships with people, societal institutions, nature and culture. • Continue to offer Accelerated Mathematics 7 (7th grade) and Algebra 1 (8th grade).enVision
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