New Town Elementary School
November/December Resources

Kindergarten

Phonics/Word Work Overview
Letter sounds- /p/, /t/, short i, /n/, /c/
Sight words-blue, red, green, white, orange, purple, yellow, black, to, all, be, and, went, get, go, up, down, you, will, that, do, not, under

ELA Overview – Theme: Let's Explore, Going Places
Target Standards:
RL.1 With prompting and support, ask and answer questions about key details in a text.
RI.2 With prompting and support, identify the main idea and key details in a text.
RL.3 With prompting and support, identify the characters and setting in a story.
RI.7 With prompting and support, describe the relationship between illustrations and a text.

ELA Home/School Connection
The following websites can be used to practice phonics and reading skills
www.starfall.com
www.abcya.com

Math Overview
The following skills and concepts are the "big ideas" that are developed in these units:

Counting, Quantity, and Cardinality
- Arrange and compare sets using one-to-one correspondence
- Count by ones
- Compare quantities
- Build sets
- Match numerals to sets
- Write numbers from 0-20
- Develop conservation of number, cardinality, and instant recognition of quantities

Patterning
- Describe the relative position of objects
- Identify, create, extend, and analyze repeating patterns
- Identify and describe two-dimensional shapes

Measurement
- Directly compare the length of two objects

Math Overview and Helpful Tips
The following skills and concepts are the "big ideas" that are developed in this unit: Addition, Subtraction, and the Number System 2

Counting and Quantity
o Connect number names and written numbers to the quantities they represent
o Determine and describe number sequences

Whole Number Operations/Computation
o Make sense of and develop strategies to solve addition and subtraction problems with totals up to 20
o Use manipulatives, drawings, tools, and notation to show strategies and solutions
Computational fluency with addition combinations to 10

Math Home/School Connection
- BCPS One
  - Learning Management System
    - Dreambox

Grade One

ELA Overview – Theme: Exploring Elements of Nonfiction

- **RI.1.1** Students ask and answer questions with decreasing prompting and support until they can ask and answer questions independently.
- **RI.1.2** Students identify main topics and key details with decreasing prompting and support until they demonstrate them independently.
- **RI.1.5** Students use a variety of text features, such as headings, tables of contents, glossaries, electronic menus, and icons, in order to locate key facts and information. In this unit, students identify and use headings, photographs, bold print, diagrams, captions, and labels.
- **W.1.7** Students continue to participate in shared research and a class writing project for the culminating event, choosing one informational book from a collection of teacher-selected animal texts.

ELA Home/School Connection
- http://www.abcya.com
- http://www.starfall.com
- BCPS One
    - o Digital Content
        - ▪ i-Ready
        - ▪ PeppleGo

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Computational fluency with addition combinations to 10

Math Home/School Connection
- BCPS One
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        - ▪ Dreambox

Grade Two

Phonics/Word Work Overview
Second grade students will read, blend, spell and write words with the following sounds:

- Long A as in rake; Long E as in teach; Long I as in rice; Long O as in rode; Long U as in tube

Please continue to practice reading and writing sight and high frequency words with your child at home including : also, apart, begin, either, hundred, over, places, those, which, without, better, group, long, more, only, our, started, three, who, won't.

ELA Overview – Theme: Unit 2: **Cycles in our Natural World**
Identify non-fiction text features in grade level text

- R1.21 Ask and answer such questions as who, what, where, when, why, and how to demonstrate understanding of key details in a text.
- R1.23 Describe the connection between a series of historical events, scientific ideas or concepts, or steps in technical procedures in a text.
- R1.2.7 Explain how specific images (e.g., a diagram showing how a machine works) contribute to and clarify a text.

Create a personal narrative on a topic of their choice

- W.2.2 Write informative/explanatory texts in which they introduce a topic, use facts and definitions to develop points, and provide a concluding statement or section.
             Theme :Unit 3: Live and Learn

Explain the effect our interactions have with people, places and events

- RL2.3 Describe how characters in a story respond to major events and challenges.
- RL.2.7 Use information gained from the illustrations and words in a print or digital text to demonstrate understanding of its characters, setting, or plot.

Research and create a dangerous weather infographic
W.2.2 Write informative/explanatory texts in which they introduce a topic, use facts and definitions to develop points, and provide a concluding statement or section.

ELA Home/School Connection

- IReady- https://bcpsone.bcps.org/
- Read daily (complete reading logs monthly); www.starfall.com

Math Home/School Connection

- Dreambox https://bcpsone.bcps.org/
- http://abcya.com/

Grade Two - Continued

Math Overview and Helpful Tips – Unit 2: **2D and 3D Geometry**
- **Ability to sort shapes by their attributes**
  - ❖ **02. G.A.01** - Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces.5 Identify triangles, quadrilaterals, pentagons, hexagons, and cubes.
  - ❖ **02. G.A.02** - Partition a rectangle into rows and columns of same-size squares and count to find the total number of them.
- **Ability to apply counting strategies to develop automatic recall**
  - ❖ **02. OA.B.02** - Fluently add and subtract within 20 using mental strategies.2 By end of Grade 2, know from memory all sums of two one-digit numbers.

  Unit 3: Addition, Subtraction and the Number System 2
- **Ability to use concrete materials to model the meaning of odd and even numbers**
  - ❖ **02.OA.C.03** - Determine whether a group of objects (up to 20) has an odd or even number of members, e.g., by pairing objects or counting them by 2s; write an equation to express an even number as a sum of two equal addends.
- **Ability to explore addition and subtraction with manipulatives to build their conceptual understanding (e.g., snap cubes, subitizing cards, tens frames, hundreds charts, number lines and empty number lines)**
  - ❖ **02.OA.A.01** - Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.
- **Knowledge of and ability to apply strategies such as expanded form, empty number line and partial sums**

02. NBT.B.06 - Add up to four two-digit numbers using strategies based on place value and properties of operations.

Grade Three

ELA Overview – Theme: Unit 2: Stories that Teach
- Identifying the moral and key details of a fable, folktale, or myth
- **CCSS.ELA-LITERACY.RL.3.2**
  Recount stories, including fables, folktales, and myths from diverse cultures; determine the central message, lesson, or moral and explain how it is conveyed through key details in the text.
- **CCSS.ELA-LITERACY.RL.3.1**
  Ask and answer questions to demonstrate understanding of a text, referring explicitly to the text as the basis for the answers.
- Asking and answering questions using evidence from the text
- Identify and describe the traits and motivations of a character and how they impact the story.
- **CCSS.ELA-LITERACY.RL.3.3**
  Describe characters in a story (e.g., their traits, motivations, or feelings) and explain how their actions contribute to the sequence of events

ELA Home/School Connection
- Questioning and summarizing practice
  - ➤ http//reading.ecb.org/
- Identifying theme and moral
  - ➤ https://youtu.be/AXPbijjMnV8
  - ➤ https://youtu.be/BBDlv4d1sZM
- Identifying character traits using the text
  - ➤ https://learnzillion.com/lesson_plans/5776/
- Typing practice
  - ➤ http://www.slimekids.com/games/typing-games/
  - ➤ http://www.abcya.com/kids_typing_game.htm

https://www.edutyping.com/

Math Overview and Helpful Tips
Unit 2: Strategies and Properties for Addition and Subtraction
Unit Overview - In this unit, students use place value, properties of operations, and number sense to perform multi-digit addition and subtraction to 1000. Students organize, display, and interpret data by constructing and reading graphs.

- Add and subtract 3 digit numbers
- Knowledge of and ability to apply strategies of decomposing and composing numbers, partial sums, counting up, and counting back by ones, tens, and hundreds
- Ability to use addition and subtraction interchangeably in computation based on the relationship between the operations
- **03.NBT.A.02** - Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of   operations, and/or the relationship between addition and subtraction.
- Ability to round a three-digit number to the nearest 10 or 100
- **03.NBT.A.01** - Use place value understanding to round whole numbers to the nearest 10 or 100.
- Interpreting data from a picture or bar graph

Grade Three – Continued

- Use picture and bar graphs to solve "how many more" and "how many less" word problems
- **03.MD.B.03** - Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solve one- and two-step "how many more" and "how many less" problems using information presented in scaled bar graphs. For example, draw a bar graph in which each square in the bar graph might represent 5 pets,.
- Identify the properties of addition; commutative, associative, and identify property of zero
- Commutative property: switching the order of the addends in an equation will not change the sum
- Associative property: you can add the numbers in an addition equation in any order and the sum will be the same, for example, $2 + (3+5)= 10$ or $(2+3) + 5= 10$
- **03.OA.D.09** - Identify arithmetic patterns (including patterns in the addition table or multiplication table), and explain them using properties of operations. For example, observe that 4 times a number is always even, and explain why 4 times a number can be decomposed into two equal addends.

Math Home/School Connection
- Add and subtract 3 digit numbers
  - ➢ https://learnzillion.com/lesson_plans/2768-4
  - ➢ https://learnzillion.com/lesson_plans/2780
  - ➢ http://www.kidsmathtv.com/3rd-grade-games/
  - ➢ https://www.khanacademy.org/math/cc-third-grade-math/cc-3rd-add-sub-topic
- Rounding numbers to the nearest 10 and 100
  - ➢ https://learnzillion.com/lesson_plans/6242
  - ➢ https://learnzillion.com/lesson_plans/751
  - ➢ http://www.abcya.com/rounding_numbers.htm
- Interpreting data from a picture or bar graph
  - ➢ https://learnzillion.com/lesson_plans/6466
  - ➢ https://learnzillion.com/lesson_plans/336
- Properties of addition
  - ➢ https://learnzillion.com/lesson_plans/7327

-Students have access to **learnzillion** videos through their BCPSONE account.
-Encourage students to use **Dreambox** at home. This is a research-based math program that they have access to through their BCPSONE account.

Grade Four

ELA Overview
- Unit 2: Choosing Kindness - Students will be introduced to the novel *Wonder* by RJ Palacio. Students will consider the following essential questions and skills:
  - ❖ How do our actions and words affect others?
  - ❖ When is choosing kindness hard?
  - ❖ RL.4.1: Refer to details and examples in the text when explaining what the text says explicitly and when drawing inferences from the text
  - ❖ RL.4.2: Determine a theme of a story, drama, or poem from details in the text; summarize the text
  - ❖ RL.4.3: Describe in depth a character, setting, or event in a story or drama, drawing on specific details in the text
  - ❖ RL.4.4: Determine the meaning of words and phrases as they are used in the text
  - ❖ RL.4.6: Compare and contrast the point of view from which different stories are narrated, including the difference between first and third-person narrations.
  - ❖ WL.4.1: Write opinion pieces on topics or text, supporting a point of view with reasons and information
  - ❖ WL.4.2: Write information/explanatory texts to examine a topic, convey ideas and information clearly

ELA Home/School Connection
- Practice reading comprehension skills
  http://www.learningfarm.com/web/practicePassThrough.cfm?TopicID=157
- Reading skill builder
  http://www.internet4classrooms.com/skill_builders/reading_comprehension_language_arts_fourth_4th_grade.htm
- Vocabulary Builder
  http://www.vocabulary.co.il/vocabulary-building-games/

Math Overview and Helpful Tips
- **Unit 2: Strategies and Properties of Multiplication**
  - ➢ **Standard 4NBT.B.05:** Multiply a whole number of up to four digits by a one-digit whole number, and multiply two-digit numbers, using strategies based on place value and the properties of operations.
  - ➢ **Standard 4OA.B.4:** Find all factor pairs for a whole number in the range 1-100. Recognize that a whole number is a multiple of a given one-digit number. Determine whether a given whole number in the range 1-100 is prime or composite.
  - ➢ **Unit 2 Vocabulary:** Associative Property of Multiplication, Distributive Property, Commutative Property of Multiplication, partial products, numerical expression, compatible numbers, estimate, factors, multiples, product, array, area model, prime, composite

Grade Four Continued

- **Unit 3: Strategies and Properties of Dividing**
  - ➢ **Standard 4NBT.B.06:** Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.
  - ➢ **Standard 4OA.A.01:** Interpret a multiplication equation as a comparison, e.g., interpret 35 = 5 × 7 as a statement that 35 is 5 times as many as 7 and 7 times as many as 5. Represent verbal statements of multiplicative comparisons as multiplication equations.

  - ➢ **Standard 4OA.A.02:** Multiply or divide to solve word problems involving multiplicative comparison, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem, distinguishing multiplicative comparison from additive comparison. (Include groups with up to ten objects.)
  - ➢ **Standard 4OA.A.03:** Solve multistep word problems posed with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding.
  - ➢ **Unit 3 Vocabulary:** remainder, partial quotients, factor, multiple, factor pairs, generalize, prime number, composite number, divisor, dividend

Math Home/School Connection
- Prime and Composite Numbers:
  https://www.brainpop.com/math/numbersandoperations/primenumbers/
- Arrays:
  https://learnzillion.com/lesson_plans/6841-represent-multiplication-using-arrays
- Area Models for Multiplication:
  https://learnzillion.com/lesson_plans/8122-use-area-models-for-multiplication
- Area Model for Double Digit Multiplication:
  https://www.youtube.com/watch?v=VImQbApb6so
- Partial Products method of multiplying:
  https://www.youtube.com/watch?v=VImQbApb6so
- Division:
  https://www.brainpop.com/math/numbersandoperations/division/
- Interpreting Remainders:
  https://learnzillion.com/lesson_plans/2034
- Use Partial Quotients to Divide:
  https://www.youtube.com/watch?v=OIfECbC40Fg
- Divide by 1-digit:
  https://www.khanacademy.org/math/arithmetic-home/multiply-divide/multi-digit-div/v/dividing-3-digit-by-1-digit-without-remainder
- Multiplicative Comparison:
  https://www.youtube.com/watch?v=NEkRjZJGvnI

Grade Five

Phonics/Word Work Overview
This quarter, we begin our study on Greek and Latin roots.
Resource (lists of common roots): http://www.readingrockets.org/article/root-words-roots-and-affixes

ELA Overview – Theme: In Grade 5, Unit 2, students will read nonfiction texts about transformative ideas and how passion and persistence can help people achieve their goals, turn their ideas into action, and transform their world.

ESSENTIAL QUESTIONS:

- How can passion and persistence help you achieve your goals?
- How can you transform your ideas into actions?
- How can people transform their world?

Students will read informational texts and will continue to quote, paraphrase, summarize, and infer based on evidence from the text. Students examine the relationships and interactions between events and people. Students also draw on information from multiple sources to answer a question.

RI.5.1 Quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text.

RI.5.2 Determine two or more main ideas of a text and explain how they are supported by key details; summarize the text.

RI.5.3 Explain the relationships or interactions between two or more individuals, events, ideas, or concepts in a historical, scientific, or technical text based on specific information in the text.

RI.5.4 Determine the meaning of general academic and domain-specific words and phrases in a text relevant to a grade 5 topic or subject area.

RI.5.7 Draw on information from multiple print or digital sources, demonstrating the ability to locate an answer to a question quickly or to solve a problem efficiently.

W.5.1 Write opinion pieces on topics or texts, supporting a point of view with reasons and information.

L.5.4 Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 5 reading and content, choosing flexibly from a range of strategies.

<u>Grade Five Continued</u>

ELA Home/School Connection
- **Common Core for Parents:**
  - ❖ **http://commoncore.scholastic.com/parents**
- **Reading Literature, Reading for Information, and Writing Skills Overview**
  - ❖ **http://www.lbeach.org/Assets/CC_ELA/ParentGuide_ELA_5.pdf**
- **Tips for strengthening your child's reading comprehension at home:**
  - ❖ **http://www.scholastic.com/parents/resources/article/milestones-expectations/fifth-grade-reading-tips-to-smoothen-transition**

Math Overview and Helpful Tips
Unit 2: Multiplying Whole Numbers and Decimals
- Fluently Multiply Multi-Digit Whole Numbers
- Use Models and Strategies to Multiply Decimals
Unit 3: Dividing Whole Numbers and Decimals
- Use Models and Strategies to Divide Whole Numbers
Use Models and Strategies to Divide Decimals

Math Home/School Connection
- Access Dreambox through BCPS One for math practice based on the student's needs
- Math Playground
  - ❖ http://www.mathplayground.com/
- Khan Academy
  - ❖ https://www.khanacademy.org/

Upcoming Events
- Tuesday, 11/29 – Storybook Character Dress up Day
- Tuesday, 11/29- Reading Night 6:30-8:30
Thursday, 12/8 – 5th grade field trip to Sudbrook Magnet Middle for *The Nutcracker* Play