



Abington Heights School District

200 East Grove Street, Clarks Summit, PA 18411 Phone: 570-585-8252

May 2023

Hello Abington Heights Families,

Our school community is fortunate to have families who are engaged in their student's education and supporting their academic journey. To help sustain and continue your student's growth in Reading, Math, and Science over the course of the summer, we are providing families with some suggested opportunities to share in the learning adventure.

Attached you will find suggested activities that will promote literacy, numeracy, and scientific creative thinking. We hope that you enjoy these experiences with your students!

- ★ Summer Doing Math
- ★ Summer Reading
- ★ Summer STEM

Should you have any questions, concerns, or thoughts, please reach out to your building principal. We look forward to welcoming your students to the 2023 - 2024 school year on Thursday, September 7, 2023.

With appreciation,

Dr. Maggie Vitale

Maggie Vitale, Ed.D

Assistant Superintendent



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Dear Families of Current Abington Heights Elementary Students Grades 2-3,

Your child has made wonderful progress this school year in reading. We would like to support you as a family to keep that positive momentum moving forward. We feel that summer reading assignments help to promote learning and continue to build students' reading stamina.

For current elementary students in grades 2-3:

- Students may read books all summer of their choosing.
- Students should complete the attached reading log.
- This is not a formal assignment, but a suggestion to support literacy in our youngest readers. When your child completes this list and brings it into school the first week of school, he/she will earn school based rewards for participation.

We would like to offer some suggestions:

- The Abington Community Library is prepared to assist in book selection, if families would like to make use of this great community resource. In addition, the library has a wonderful incentive based summer reading program that we recommend.
- Book selection is incredibly important. Please choose books that are engaging and age-appropriate for your children.
- Consider having students read together as an informal book club to promote learning and collaborative reading.

Should you have any questions, please do not hesitate to reach out to your building principal.

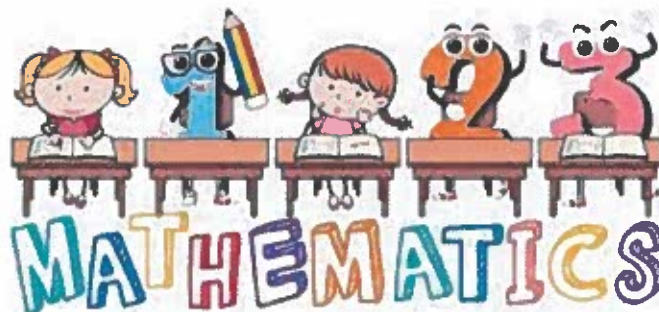
Thank you,

Mrs. Kelly Coyne
South Abington

Mr. Mario Emiliani
Clarks Summit Elementary Principal

Mrs. Bridget Frounfelker
Newton-Ransom Elementary Principal

Mrs. Colleen Leonard
Waverly Elementary Principal



End of 3rd Grade Math Suggested Summer Fun

Do Anytime Activities

Mathematics concepts are more meaningful and easier to understand when they are rooted in real-life situations. To help your child review some of the concepts learned in third grade, the following activities are suggested for you and your child to do together over vacation. Doing so will help your child maintain and build on the skills learned this year and help in preparation for fourth grade mathematics.

1. Pose number stories with single-digit numbers or multiples of 10 that can be solved using multiplication and division. Examples: I have 12 crackers to share equally among you and your two sisters. How many crackers will you each get? $12 \div 3 = 4$ crackers. 30 children can ride in one bus. How many can ride in 3 buses? $30 \times 3 = 90$ children.
2. Have your child review and practice multiplication and division facts.
3. Pose simple fraction stories for your child to solve and encourage him or her to draw pictures to show his or her thinking. Examples: The pizza is the whole. If you eat $\frac{1}{4}$ of the pizza and your sister eats $\frac{1}{2}$ of the pizza, who eats more? How do you know? My sister eats more because 1 out of 2 parts is larger than 1 out of 4 parts of the same pizza.
4. Have your child practice reading analog clocks to the nearest minute.



5. Encourage your child to identify and describe geometric shapes that can be seen in the world. Example: The window is a rectangle and a parallelogram because it has four sides and two sets of parallel sides.

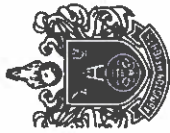
6. Examine food and drink labels to prompt discussions about mass and liquid volume units in the real world, such as milliliters, liters, grams, and kilograms. At the grocery store, look for items that have a mass of about 1 gram (blueberry) or 1 kilogram (pineapple).

7. Measure real-world objects or distances to the nearest inch, $\frac{1}{2}$ inch, and $\frac{1}{4}$ inch. Talk about when you need to make more precise measurements. Example: Hold a watermelon-seed spitting contest and measure the distances the seeds travel.

8. Find the areas and perimeters of rooms at home. Have your child estimate which room could have the largest area and largest perimeter (they might not be the same).

9. Practice multi-digit addition and subtraction.

10. Practice extended facts using basic facts for multiplication and division. Example: If you know $3 \times 3 = 9$, then it helps you know that $3 \times 30 = 90$.



Looking ahead: 4th Grade Math

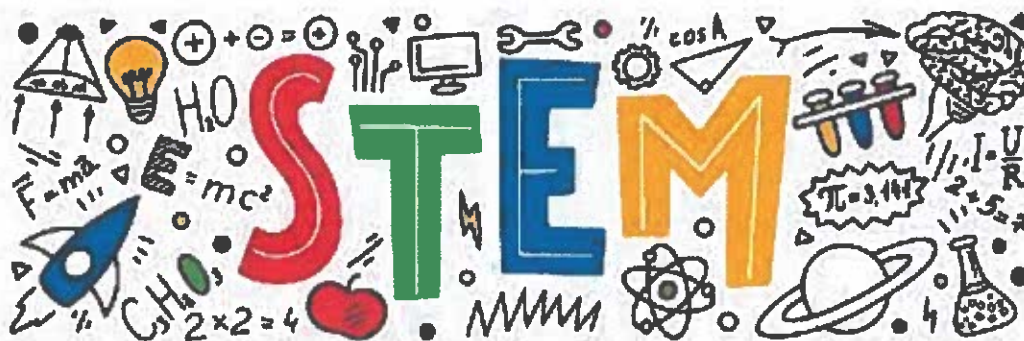
Next year your child will...

Numbers & Operations in Base Ten	Numbers & Operations - Fractions	Operations and Algebraic Thinking	Geometry	Measurement and Data
<ul style="list-style-type: none"> <input type="checkbox"/> Recognize that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right <input type="checkbox"/> Read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form <input type="checkbox"/> Compare multi-digit numbers using $<$, $>$, $=$ <input type="checkbox"/> Round multi-digit whole numbers (through 1,000,000) to any place <input type="checkbox"/> Fluently add and subtract multi-digit whole numbers within 1,000,000 <input type="checkbox"/> Multiply two-digit by two-digit numbers and up to four digits by one digit <input type="checkbox"/> Divide up to a four-digit number by a one-digit number 	<ul style="list-style-type: none"> <input type="checkbox"/> Recognize and generate equivalent fractions <input type="checkbox"/> Compare two fractions with unlike numerators and denominators <input type="checkbox"/> Add and subtract fractions with like denominators <input type="checkbox"/> Add and subtract mixed numbers with like denominators <input type="checkbox"/> Solve addition, subtraction, and multiplication word problems involving fractions <input type="checkbox"/> Understand decimal notation and compare two decimals to the hundredths using $<$, $>$, $=$ 	<ul style="list-style-type: none"> <input type="checkbox"/> Solve multi-step whole number word problems using the four operations including problems with remainders <input type="checkbox"/> Explore prime and composite numbers <input type="checkbox"/> Explore factors and multiples <input type="checkbox"/> Analyze and explain patterns 	<ul style="list-style-type: none"> <input type="checkbox"/> Explore points, lines, line segments, rays, angles (right, acute, obtuse) and parallel and perpendicular lines <input type="checkbox"/> Classify two-dimensional figures based on attributes <input type="checkbox"/> Explore right triangles <input type="checkbox"/> Identify symmetry of two-dimensional figures 	<ul style="list-style-type: none"> <input type="checkbox"/> Solve problems involving measurement conversions <input type="checkbox"/> Use the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of objects, and money, (including problems involving simple fractions or decimals) <input type="checkbox"/> Apply area and perimeter formulas for rectangles in real world and mathematical problems <input type="checkbox"/> Identify time as the amount of minutes before or after the hour <input type="checkbox"/> Solve problems involving addition and subtraction of fractions of a unit ($\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$) by using information presented in line plots <input type="checkbox"/> Measure and explore concepts with angles



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Hello Abington Heights Families,

To help promote STEM learning with our students, Mrs. Hooker has developed a Summer STEM Choice Board. On this board, there are nine (9) activities on this choice board. As a family, you can choose one, a few, or all of them! We hope that you find these activities engaging, stimulating for creative thinking, and thought-provoking!

When your child returns to school in September, please have him / her submit the Summer STEM Choice Board to their teacher. Students will earn Comet Cash for completing the following number of activities:

- 1: Five Comet Cash
- 3: 10 Comet Cash
- 6: 15 Comet Cash
- 9: 20 Comet Cash and a Summer STEM Champion Certificate

We ask that an adult family member please initials and dates the box over the choices that were completed. Thank you for your continued support of your child's academic journey!

With appreciation,
Mrs. Kelly Coyne
South Abington

Mr. Mario Emiliani
Clarks Summit Elementary Principal

Mrs. Bridget Frounfelker
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Mrs. Colleen Leonard
Waverly Elementary Principal



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Student's Name: _____

Grade: _____

SUMMER STEM CHOICE BOARD

With your parents permission, pick some of the choices off of our Summer STEM Choice Boards to review our STEM knowledge this summer. Have fun exploring with some different activities involving Science, Technology, Engineering, and Math.

<p>CHOICE ONE It's time to design your own shoe. Use recyclable materials and the design process to create the latest summer fashion. (www.pbiskids.org/designsquad/build)</p>	<p>CHOICE FOUR Use internet resources to make the best and farthest paper airplane. Test them outside on a nice, sunny day!</p>	<p>CHOICE SEVEN Want to keep your icy treats cold on a hot summer day? Build a better lunchbox to keep your treats cold! (www.pbiskids.org/designsquad/build)</p>
<p>CHOICE TWO Use your science and observation skills on a nice summer day by creating your own science journal. Collect items from nature, use the internet to research, and add them to your journal.</p>	<p>CHOICE FIVE Rainy day? Download some free coding apps to practice coding skills:</p> <ul style="list-style-type: none">• Scratch JR (Android, IOS)• Kodable (IOS)• Bee-Bot (IOS)• Lightbot (Android, IOS)• Algorithm City (Android, IOS)• Tynker (IOS, Android)	<p>CHOICE EIGHT Have a juicy watermelon? Take the seeds outside and see how far we can spit them out. Then measure and see who spit them out the farthest.</p>
<p>CHOICE THREE Have something to celebrate this summer? Make a confetti launcher to make your celebration a little more special! (www.pbiskids.org/designsquad/build)</p>	<p>CHOICE SIX Another rainy day? Have some fun inside with creating your own indoor slingshot using some recyclable materials. (www.pbiskids.org/designsquad/build)</p>	<p>CHOICE NINE Use a magnifying glass and some ice for this activity. On a sunny day, use the magnifying glass and time how long it will take for the ice to melt, by putting it under the magnifying glass.</p>