



# Abington Heights School District

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

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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



## End of 2nd 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 second 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 third grade mathematics.

1. Pose addition and subtraction number stories about everyday life. For example, ask your child to count the number of grapes he or she has and then ask: How many will you have if you eat 6 of them? How many will you have if you eat 2 of them and then I eat 3 more? Here's another example: If you have 1 quarter, 3 dimes, and 2 nickels, how many cents do you have?
2. Review and practice addition and subtraction facts. Your child can use Fact Triangle cards to practice or play Addition Top-It or Subtraction Top-It as described on the second page of this letter.
3. Select everyday objects and have your child estimate their lengths and then measure to check the estimates. Your child could also measure objects to determine how much longer one thing is compared with another.



4. Ask your child to tell you the time to the nearest 5 minutes. Encourage your child to specify whether it is A.M. or P.M.
  
5. Encourage your child to identify and describe geometric shapes that can be seen in the world. For example: I see rectangles in that bookcase. They all have 4 right angles. You can also play I Spy to practice identifying and describing shapes. For example: I spy a shape with 5 sides. All of the sides are the same length.
  
6. Ask your child to share food items or other objects fairly with 1, 2, or 3 other people by dividing them into equal shares.
  
7. Count on or back by 10s and 100s from any given number.



## Looking ahead: 3rd 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"> <li><input type="checkbox"/> Use place value to round two- and three-digit numbers to the nearest 10 or 100</li> <li><input type="checkbox"/> Fluently add and subtract within 1,000 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction</li> <li><input type="checkbox"/> Multiply one-digit whole numbers by multiples of 10 in the range of 10-90 using strategies based on place value and properties of operations (ex. <math>4 \times 80</math>, <math>5 \times 60</math>)</li> <li><input type="checkbox"/> Order a set of (up to 4) numbers from least to greatest or greatest to least (up through 9,999)</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Develop understanding of fractions (whole divided into equal parts)</li> <li><input type="checkbox"/> Identify and represent fractions on a number line</li> <li><input type="checkbox"/> Explore equivalent fractions (<math>\frac{1}{2} = \frac{2}{4}</math>)</li> <li><input type="checkbox"/> Explore whole number, fraction relationship (<math>4 = \frac{4}{1}</math>)</li> <li><input type="checkbox"/> Compare fractions with like denominators using <math>&lt;</math>, <math>&gt;</math>, <math>=</math> and reason with fraction models</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Use multiplication and division within 100 to solve word problems involving equal groups, arrays, and measurement quantities</li> <li><input type="checkbox"/> Determine the unknown number of a multiplication or division equation (ex. <math>4 \times ? = 12</math>)</li> <li><input type="checkbox"/> Apply the commutative property of multiplication (If <math>4 \times 3 = 12</math>, then <math>3 \times 4 = 12</math>)</li> <li><input type="checkbox"/> Apply the associative property of multiplication (<math>2 \times 3 \times 4</math> is the same as <math>2 \times 12</math>)</li> <li><input type="checkbox"/> Fluently multiply and divide within 100</li> <li><input type="checkbox"/> Know all multiplication facts up to <math>9 \times 9</math> from memory</li> <li><input type="checkbox"/> Solve two-step word problems using the four operations</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Understand that shapes in different categories (ex. rhombuses, rectangles, and others) may share attributes and that shared attributes can define a larger category (ex. quadrilaterals)</li> <li><input type="checkbox"/> Partition shapes into parts with equal areas and connect with knowledge of fractions</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Tell and write time to the nearest minute</li> <li><input type="checkbox"/> Solve word problems involving elapsed time</li> <li><input type="checkbox"/> Measure and estimate liquid volumes and masses of objects using standard &amp; metric units</li> <li><input type="checkbox"/> Add, subtract, multiply, or divide to solve one-step word problems involving masses or volumes that are given in the same units</li> <li><input type="checkbox"/> Measure to the nearest <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math> inch or nearest cm</li> <li><input type="checkbox"/> Compare total value of coins and bills (up to \$5)</li> <li><input type="checkbox"/> Make change for amount up to \$5.00 with no more than \$2.00 change given</li> <li><input type="checkbox"/> Round amounts of money to nearest dollar</li> <li><input type="checkbox"/> Draw scaled picture graph and bar graph and solve one-step and two-step problems related to graphs</li> <li><input type="checkbox"/> Explore area (relate to multiplication &amp; division)</li> <li><input type="checkbox"/> Identify perimeter of polygons and find unknown side length</li> </ul>



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May 2023

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*





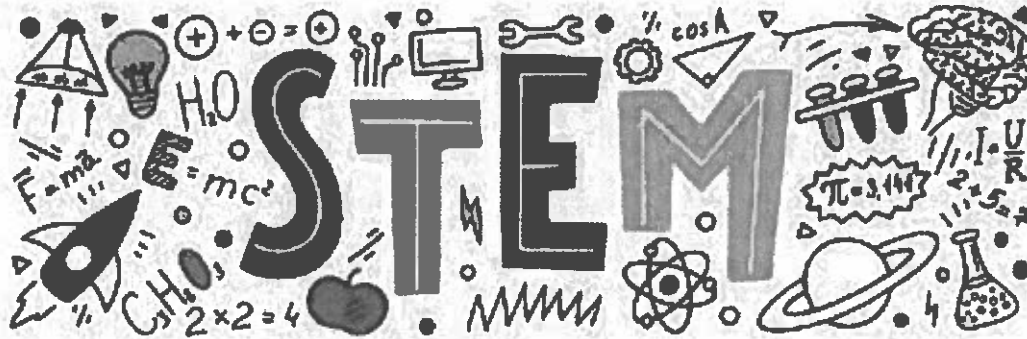




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May 2023

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  
*Newton-Ransom Elementary Principal*

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><b>CHOICE ONE</b> It's time to design your own shoe. Use recyclable materials and the design process to create the latest summer fashion. (<a href="http://www.pbiskids.org/designsquad/build">www.pbiskids.org/designsquad/build</a>)</p>	<p><b>CHOICE FOUR</b> Use internet resources to make the best and farthest paper airplane. Test them outside on a nice, sunny day!</p>	<p><b>CHOICE SEVEN</b> Want to keep your icy treats cold on a hot summer day? Build a better lunchbox to keep your treats cold! (<a href="http://www.pbiskids.org/designsquad/build">www.pbiskids.org/designsquad/build</a>)</p>
<p><b>CHOICE TWO</b> 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><b>CHOICE FIVE</b> Rainy day? Download some free coding apps to practice coding skills:</p> <ul style="list-style-type: none"> <li>• Scratch JR (Android, IOS)</li> <li>• Kodable (IOS)</li> <li>• Bee-Bot (IOS)</li> <li>• Lightbot (Android, IOS)</li> <li>• Algorithm City (Android, IOS)</li> <li>• Tynker (IOS, Android)</li> </ul>	<p><b>CHOICE EIGHT</b> 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><b>CHOICE THREE</b> Have something to celebrate this summer? Make a confetti launcher to make your celebration a little more special! (<a href="http://www.pbiskids.org/designsquad/build">www.pbiskids.org/designsquad/build</a>)</p>	<p><b>CHOICE SIX</b> Another rainy day? Have some fun inside with creating your own indoor slingshot using some recyclable materials. (<a href="http://www.pbiskids.org/designsquad/build">www.pbiskids.org/designsquad/build</a>)</p>	<p><b>CHOICE NINE</b> 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>