Families:
This packet is designed to offer a fun and engaging way to practice learning over the summer. This packet includes 5 Learning Boards. Each Board is self-paced providing 8 activities that can be done in any order containing math, literacy and other skill practice. The activities can be completed independently or may need your guidance. Your child/ren can strive to complete as many of the activities as possible over the course of the summer. The lower right hand grid has links to websites and resources. Throughout the summer weeks, explore the websites and resources that will provide even more ideas for fun learning opportunities.

There is a built-in reading incentive. Each day students read for 20 minutes, they get to color in a section of the image in the lower left hand corner. Once each Learning Board is completed, plan a quick celebration like letting them choose what’s for dinner or playing a game together.

Don’t forget to check out your local library for summer reading programs. Links are found at the bottom of each page of the Learning Boards. Plus Colorado teachers will lead literacy lessons on television this summer.

Table of Contents:
- Self Paced Summer Learning 4/5 English - #1
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- Self Paced Summer Learning 4/5 English - #5

Spreadsheet of more summer learning activities

Check out the summer reading programs at the Public Libraries:
Broomfield Public Library   Boulder Public Library   Erie Public Library   Lafayette Public Library   Louisville Public Library
<table>
<thead>
<tr>
<th><strong>Polyup: Math Challenge</strong></th>
<th><strong>Find the Fortune Teller</strong></th>
<th><strong>READ!</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Solve math problems in an interactive 3D environment.</td>
<td>Cut it out and make it to practice Prefixes: re, pre, un, mis. *Now make your own using different prefixes from the list provided.</td>
<td>Have you set a reading goal this summer? How many pages? Minutes? Chapters? Books? Set a goal - you can do it!</td>
</tr>
<tr>
<td>First challenge starts May 25</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Become an asteroid expert.</strong> Then make your own model of earth and the asteroid belt using items you can find! <strong>Spanish English</strong></th>
<th><strong>Find the 2.12 Multiplication with Area Model activities in your printed packet. Choose at least one. Spanish version</strong></th>
<th><strong>Use the printed pages to make a &quot;Fakebook Page&quot; all about yourself!</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Read the story, Lin's Lesson in English or Spanish in your materials.</td>
<td>Read the questions and write the answers. Share your thoughts with someone.</td>
<td>If you are bilingual, write half in one language and half in the other!</td>
</tr>
</tbody>
</table>

**Color in 1/5 of the design every time you read 40 minutes.**

**Click on the icons below to visit websites for activities by grade levels or by topic**

<table>
<thead>
<tr>
<th><strong>Stories:</strong></th>
<th><strong>All topics:</strong></th>
<th><strong>Writing/Typing:</strong></th>
<th><strong>Math:</strong></th>
<th><strong>PE:</strong></th>
<th><strong>Art:</strong></th>
<th><strong>Music:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Storyline Online</td>
<td>BrainPOP Jr.</td>
<td>TypingClub</td>
<td>SolveMe Puzzles</td>
<td>Sora</td>
<td>Minecraft</td>
<td>CHROME MUSIC LAB</td>
</tr>
<tr>
<td>Unite</td>
<td>WIDEMOPEN SCHOOL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spanish Books Read Aloud:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&quot;TODOS A LEER!&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Check out the summer reading programs at the Public Libraries:**
Broomfield Public Library  Boulder Public Library  Erie Public Library  Lafayette Public Library  Louisville Public Library
| Tell the story of your family's immigration history or plan your trip around the world using Google Tour Builder. |
| Fill in the boxes on Close to 1. See the directions in your printed packet. |
| Practice your typing skills with one of these programs. |
| Read a fiction book with pictures to a younger family member, pet, or stuffie. Make the characters sound exciting! |

1. Live chat with friends or family.  
2. Play Categories. Here are the directions.

| Dorodango Mud Ball Art Project |
| Choose a Colorado History Exhibit virtual exhibit from the Colorado history museum to explore and write a paragraph describing what you learned. |

Practice your Division with Remainders. This activity 3.1 is in English and Spanish in your materials.

*Use dried beans or pasta, etc. for counters

Color in 1/5 of the skull every time you read 40 minutes.

Click on the icons below to visit websites for activities by grade levels or by topic:

- **Stories:** Storyline Online, Unite, Sora, Todas a Leer!  
- **All topics:** BrainPOP Jr., WIDE OPEN SCHOOL, TypingClub, SolveMe Puzzles  
- **Writing/Typing:**  
- **Math:** youcubed

*Click on the BVSD Student Portal link above, then your child can click on and use any of these tools.
  - BrainPop/Jr.
  - Newsela (3-5gr)
  - SORA
  - iReady
  - Reading PLUS
  - MackinVia
  - Math Expression
  - Padlet
  - WeVideo
  - Wix Tutorial

Check out the summer reading programs at the Public Libraries:
- Broomfield Public Library
- Boulder Public Library
- Erie Public Library
- Lafayette Public Library
- Louisville Public Library
<table>
<thead>
<tr>
<th>Activity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Be a reporter for the Athens Olympics</td>
<td>Research and write your news story in this Scholastic Activity</td>
</tr>
<tr>
<td>Read a Fiction book and create a poster</td>
<td>Write a Persuasive Letter to your town mayor or the state governor about an issue you are passionate about. Be sure to include evidence to support your argument.</td>
</tr>
<tr>
<td>Ever wonder about how many suns are in the universe or what slime is made of?</td>
<td>Watch a couple of videos from Ask Dr. Universe and then ask an adult or write to Dr. Universe with a science question of your own.</td>
</tr>
<tr>
<td>Do the Adding Fractions activities.</td>
<td>You will find the English and Spanish directions in your packet.</td>
</tr>
<tr>
<td>Scavenger Hunt</td>
<td>Design a scavenger hunt or treasure hunt for your family. Write creative clues, but don’t give too much away! Use this digital tool to help.</td>
</tr>
<tr>
<td>Do some Counter Estimation with Division 3.8</td>
<td>You will find the English and Spanish activity 3.8 in your materials.</td>
</tr>
<tr>
<td>Make up a dance like the kind you would see on TikTok. Perform it 10 times OR Do 1 min of each: push ups sit ups jumping jacks How many sets can you beat your record?</td>
<td></td>
</tr>
</tbody>
</table>

**Click on the icons below to visit websites for activities by grade levels or by topic**

- **Stories:**
  - Storyline Online
  - Unite
  - BrainPOP Jr.
  - Wide Open School
  - Sora

- **All topics:**
  - TypingClub
  - SolveMe Puzzles

- **Writing/Typing:**
  - BrainPen
  - Art

- **Math:**
  - youcubed

- **Spanish Books Read Aloud:**
  - Todas a Leer!

- **PE:**
  - Chrome Music Lab

- **Music:**
  - BrainPop Jr.

- **Art:**
  - Art

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- BrainPop/Jr.
- Newsela (3-5gr)
- SORA
- iReady
- Reading PLUS
- MackinVia
- Math Expression
- Padlet
- WeVideo
- Wix Tutorial

Check out the summer reading programs at the Public Libraries:
- Broomfield Public Library
- Boulder Public Library
- Erie Public Library
- Lafayette Public Library
- Louisville Public Library
### Self Paced Summer Learning 4/5 English - #4

<table>
<thead>
<tr>
<th>What's Going on in this graph?</th>
<th>Decimal Triangle Puzzle with support: 10 x 10 grids that can be colored in so students can “see” possible sums.</th>
<th>Let's Explore Kinetic Energy! Test out how mass impacts the energy and velocity (speed) of the skateboarder in this simulation: PhET Skate Park: Basics</th>
<th>Decimal Magic Squares: Complete each magical square using addition. All rows, columns, and diagonals must equal the magical number.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graphs, maps and charts from The New York Times -- and an invitation to students to discuss them live. Activity from Analyzing Graphs-Youcubed</td>
<td><img src="DecimalTrianglePuzzle.png" alt="" /></td>
<td><img src="PhETSkatePark.png" alt="" /></td>
<td><img src="DecimalMagicSquares.png" alt="" /></td>
</tr>
<tr>
<td>Use the printed directions to Make Your Own Sundial Sundials have been used since ancient times to mark the time. Sundials work because as the Earth rotates around the sun, the sun’s place in the sky changes.</td>
<td><img src="Sundial.png" alt="" /></td>
<td><img src="Interland.png" alt="" /></td>
<td><img src="EpicBooks.png" alt="" /></td>
</tr>
<tr>
<td>Digital Citizenship: set a timer and play 20 minutes of Interland, Do you have the discipline to stop when the timer goes off?</td>
<td><img src="Interland.png" alt="" /></td>
<td><img src="PartialProducts.png" alt="" /></td>
<td>Choose a book from Epic Books in English or Spanish. Then write an opinion story to tell someone why you liked or didn’t like the story.</td>
</tr>
<tr>
<td>Use Partial Products to Multiply This can be used as practice instead of a game.</td>
<td><img src="PartialProducts.png" alt="" /></td>
<td><img src="DecimalMagicSquares.png" alt="" /></td>
<td></td>
</tr>
<tr>
<td>Choose a book from Epic Books in English or Spanish. Then write an opinion story to tell someone why you liked or didn’t like the story.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Choose a book from Epic Books in English or Spanish. Then write an opinion story to tell someone why you liked or didn’t like the story.

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**Click on the icons below to visit websites for activities by grade levels or by topic**

- **Stories:**
  - Storyline Online
  - BrainPOP Jr.
  - Unite
  - Wide Open School
  - Sora

- **All topics:**
  - Math: SolveMe Puzzles
  - Writing/Typing: TypingClub
  - PE: P.E.
  - Art: ArtKids
  - Spanish Books Read Aloud: ¡Todos a Leer!

- **Math:**
  - Math: SolveMe Puzzles
  - Writing/Typing: TypingClub
  - PE: P.E.
  - Art: ArtKids
  - Music: Chrome Music Lab

**Check out the summer reading programs at the Public Libraries:**

- Broomfield Public Library
- Boulder Public Library
- Erie Public Library
- Lafayette Public Library
- Louisville Public Library

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*Click on the BVSD Student Portal link above, then your child can click on and use any of these tools.*

- BrainPop/Jr.
- Newsela (3-5gr)
- SORA
- iReady
- Reading PLUS
- MackinVia
- Math Expression
- Padlet
- WeVideo
- Wix Tutorial
### Self Paced Summer Learning 4/5 English - #5

<table>
<thead>
<tr>
<th>Activity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross Number Multiplication Puzzle</td>
<td>Create your own trivia game on a topic of your choice using Kahoot or this printable and invite your friends and family to play virtually or at home.</td>
</tr>
<tr>
<td>Brain Pop Activity Exploring the Earth's Structure</td>
<td>Brain Pop Activity Exploring the Earth's Structure. Watch a movie. Take a Quiz. Study Vocabulary.</td>
</tr>
<tr>
<td>Complete this Scholastic Prefix and Root Word Activity</td>
<td>Before starting, brainstorm a list of words using the &quot;not&quot; prefixes: un-, in-, dis-, un-, im-, mis-. Write your answers on a separate sheet of paper.</td>
</tr>
<tr>
<td>Create a Comic Strip</td>
<td>Create a Comic Strip. Brainstorm your characters, setting, and plot for your comic strip using this storyboard. Then bring your comic strip to life using this template or create your own.</td>
</tr>
<tr>
<td>Spin the wheel to get ideas for starting a story using Story Starters Adventure. Then write your story.</td>
<td>Spin the wheel to get ideas for starting a story using Story Starters Adventure. Then write your story.</td>
</tr>
<tr>
<td>Let's get moving...pick a GoNoodle. Choose a Go Noodle and follow along!</td>
<td>Let's get moving...pick a GoNoodle. Choose a Go Noodle and follow along!</td>
</tr>
<tr>
<td>You can make your own song and music</td>
<td>You can make your own song and music.</td>
</tr>
<tr>
<td>Color in 1/5 of the design every time you read 40 minutes.</td>
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</table>

### Click on the icons below to visit websites for activities by grade levels or by topic

- **Stories:**
  - Storyline Online
  - BrainPOP Jr.
  - Unite
  - Wide Open School
  - Sora
  - MackinVia

- **All topics:**
  - BrainPOP Jr.
  - Typing Club
  - SolveMe Puzzles
  - CHROME MUSIC LAB

- **Writing/Typing:**
  - Typing Club
  - Read Aloud:
    - "TODOS A LEER!

- **Math:**
  - Youcubed
  - SORA
  - iReady
  - Reading PLUS
  - Math Expression
  - Padlet
  - WeVideo
  - Wix Tutorial

- **PE:**
  - GoNoodle

- **Art:**
  - GoNoodle

- **Music:**
  - CHROME MUSIC LAB

*Click on the BVSD Student Portal link above, then you can click on and use any of these tools.
- BrainPop/Jr.
- Newsela (3-5gr)
- SORA
- iReady
- Reading PLUS
- MackinVia
- Math Expression
- Padlet
- WeVideo
- Wix Tutorial*

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### Extra menu items to add  Grades 4/5

<table>
<thead>
<tr>
<th>Play <strong>Name that Number</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Use these (you need 4 of each number 1-9 - take out the zeros) , or use regular playing cards. If you use regular playing cards, take out the face cards and use an ace for the number 1.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Polyup: Math Challenge Week 6-12</strong></th>
</tr>
</thead>
</table>
| Solve math problems in an interactive 3D environment
*Create and share virtual robotics, drones, AI, games, and more math concepts.
*Watch background learning videos on the week's concepts. |  |

Check out the summer reading programs at the Public Libraries:
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- Louisville Public Library
**Polyup: Math Challenge Week**  
5  
Solve math problems in an interactive 3D environment  
*Create and share virtual robotics, drones, AI, games, and more math concepts.  
*Watch background learning videos on the week's concepts.

**Save the Ocean**  
"Schoolhouse Rock! Earth"

**NOAA Ocean Activities for Kids**

**NG Kids Ocean portal**

**Homophones**

There  Their  They're

Do you know the difference?  
Find the worksheet in your packet and become an expert!

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Extra menu items to add  Grades 2-3

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Check out the summer reading programs at the Public Libraries:  
Broomfield Public Library  Boulder Public Library  Erie Public Library  Lafayette Public Library  Louisville Public Library