

Exploration Learning Board: April 13th - April 17th

- Students need to complete the following assignments in these subjects (Math, Reading, Writing, and Science/Social) for each day. **Specialist's assignments are on the bottom of this document.**
- These activities are designed to continue learning within MN state standards.
- Use your "Evidence of Learning Math" and "Evidence of Learning All" google docs. **For each new entry, please add to the TOP of your doc and reshare it with your teacher.**
- **Reading, Writing, AND Social Studies** pieces will tie to our Living History project and are for ALL Explorations students.
- Your teacher's office hours and meeting times are:
Mr. Bock Office hours 9:00-10:00 and 1:00-1:30. Tuesday whole class google meet at 9:45. All other days small group meets at 9:45 for learning board questions and social connection. Also flexible to connect outside of these times by appointment.
Mrs. Kovacs 10:00 every day for a math meeting, 11:00 for everything else. I will respond to emails all day Long. IF you want to talk to me, send me an email and I'll invite you to a private google meet.
Ms. Robinson: 10:00 everyday for a math meeting, 11:00 homeroom meeting. I will respond to emails all day. If you want to talk face to face, email me and I will set up a google meet.

	Math	Reading	Writing	Science / Social
4/13 M	<p>Bock: Learning Target- I can solve variable equations and tables. Assigned concepts are starred in ixl Grade 4 G5 to 100 smart score H2 to 100 smart score E23 to 50 smart score, 100 for fun Bonus: grade 4 and up multiplication and division To prepare for Tuesday watch Fibonacci Sequence Username: lakeaires Password: bears</p> <p>Robinson: Mandatory whole group meeting today at 10. You have received a bag with a packet, ruler, and a piece of yarn.</p> <ul style="list-style-type: none"> • Look through the whole packet you received • Do the first page in your packet labeled "Introduction to Circumference". Use your piece of yarn and the ruler provided to do so • In your math doc, explain the relationship between the Diameter (distance across the circle) and the Circumference (distance around the circle) • Watch this video https://youtu.be/jyLRpr2P0MQ and 	<p>All Explorations Kids: You are going to continue to work on your LH project.</p> <p>READ this next section of the Learning Board with a Pencil in hand. Read it closely. Write notes on the LH packet.</p> <p>NOTE: I have adjusted some of the due dates. You can make these changes on your packet pages.</p> <p>Today and tomorrow will be for working on the early life and childhood of your LH person.</p> <p>NEW Due dates: Section III Childhood, April 14 have it done. IV Adult Life, April 16 have it done. V Why famous, start it on April 17 and have</p>	<p>All Explorations Kids: Start writing the early life and the childhood section of your paper.</p> <p>Did they have siblings? Did they go to school? Where? Were their parents alive and raising them? Boarding school? Apprenticeships? School abroad? What influence did their parents or guardians have on them? Were they religious? Did their beliefs have an impact on who they became? Did they have important friends?</p>	<p>All Explorations Kids: Remember that the study of Social Studies is learning about social relationships and the functioning of society in relation to history, government, economics, way of life (culture) and geography. This week we are going to have you consider YOUR Living History person and their impact in relation to several of those areas of study.</p> <p>Today: GEOGRAPHY</p> <p>Where geographically did your LH person grow up, live as an adult, and have an impact? What are the landforms, habitat characteristics like climate, types of businesses and other characteristics of these geography areas your LH person lived? Did the geography of</p>

<p>record your findings in your math google doc. What did you learn? What did you learn from the worksheet?</p> <p>Kovacs: ALL class math meeting to kick off our look into circles, cylinders, and spheres.</p> <p>10:00 am I will send a link. Be there or be square (pun intended).</p> <p>You received a ruler, a piece of yarn, and a packet for this week.</p> <p>Start by looking at the packet and exploring the first page.</p> <p>Then, think about it. What you just did is the PROOF of the relationship between the diameter of a circle and its circumference. Take a picture of your chart and paste it on your math board.</p> <p>IF it is clear to you and you can write a statement that explains what the relationship is, using a constant to connect the two, then you can just write a statement about it on your math google doc and be done for the day. Also write 2 different equations that explain the relationship. (hint: use radius?) Well, jump down to the bottom of today and sing the song!</p> <p>IF you are unsure, watch one or both of these videos to help</p> <p>https://www.khanacademy.org/math/basic-geo/basic-geo-area-and-perimeter/area-circumference-circle/v/circles-radius-diameter-and-circumference</p> <p>https://www.youtube.com/watch?v=Fzulps5oEIQ</p> <p>https://www.youtube.com/watch?v=5vzPAWby810</p> <p>Now you should be able to go to your math doc and explain the relationship between the diameter and the circumference of a circle. There is a constant relationship that never changes. You should recognize the equation that you can write to explain this as well.</p>	<p>until April 22 to get it done.</p> <p>Illustration 1 should be done by the 22nd also. But that is next week's board.</p> <p>I will adjust the rest accordingly on next week's learning board.</p>	<p>NOTE: This section can be worked on both today and tomorrow. The Due date has adjusted and become April 14.</p>	<p>the place have an impact on their life? On the thing that made them famous or influential?</p> <p>How do you think their life might have been different had they lived in a different geographic setting?</p>
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	<p>IF you still don't know what to do, you can ask Ms. Kostuch questions at a google hangout at 9:30 for help.</p> <p>Finally, click on this link to get an earworm that will help you remember this concept.</p> <p>https://www.youtube.com/watch?v=VWGGTb5pY2U</p>			
<p>4/14 T</p>	<p>Bock: Learning Target- I can complete and make a repeating pattern. lxl.com Grade 4 L 1,2,3,4 smart score to 50</p> <p>Robinson: Mandatory SMALL group meeting at 10 and 10:30.</p> <p>Today you will be exploring more with the relationship between the circumference, the diameter, and Pi. Do the following pages</p> <ul style="list-style-type: none"> • Try page 402 titled "teaching the lesson" experiment. Take a picture on your final result and post it in your math doc • Activity card unit 4 lesson 7 • Page 103 ALL <p>Kovacs: Be at an ALL class math meeting at 10:00 to discuss yesterday's learning and today's exploration.</p> <p>Today, using what you know about the relationship between the circumference and diameter of a circle you are going to create a box that will hold a wiffle ball. You will find this assignment in your packet under Tuesday, April 14. This will show you why knowing the relationship between circumference and diameter is so important.</p> <p>Take pictures of your creation and paste it on your math doc and write an explanation of how you figured it out. Write the equation you needed to solve. I will call on kids to present their thinking at our meeting tomorrow.</p> <p>Sing the pi song again and again until your family tells you to knock it off: https://www.youtube.com/watch?v=VWGGTb5pY2U</p>	<p>READ any comments your teachers or classmates have posted on your LH paper doc. Read the part of the paper they commented on. FIX or apply any suggestions or type them an answer that asks them a question about the changes. In some way address what they wrote.</p> <p>Now reread your introduction and early life. Reflect. Do you like what you wrote? Tweak it until you like it better.</p>	<p>Continue to write the early life and childhood section of your paper.</p> <p>This section of your paper should be rough draft level done by the end of your working time today.</p> <p>Share your paper with teachers and a few classmates. [In kovacs' room share your paper with your class team so that they can read it and comment.]</p> <p>EVERYONE, share their paper with their Explorations buddy.</p>	<p>Focus your LH research today on your person's culture. The definition of culture in simple terms, is "a way of life of groups of people." Research the following about your person-</p> <ul style="list-style-type: none"> • What were their beliefs? Did they follow a certain religion? • What did they value? What were their morals? (Examples-Family, knowledge, the arts, freedom...) • What customs/traditions were they a part of? • What was typical behavior of your person? (Examples-Volunteering, always isolated, friendly, generous...)

4/15
W**Bock:**

Learning Target- I can use a rule to complete an increasing number pattern.
IxI.com Grade 4 L
5,8,9 smart score to 50

Robinson: Optional small group meeting at 10 and 10:30

Do the following pages-

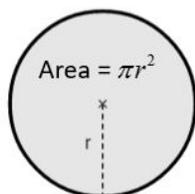
- Page 175 ALL
- Page 146 ALL
- Page 176 ALL
- Circumference of a Circle fun activity page

Kovacs: Area of a circle--weird, it's still measured in squares. Here's what you need to know:

<https://www.youtube.com/watch?v=YokKp3pwVFc>

<https://www.khanacademy.org/math/basic-geo/basic-geo-area-and-perimeter/area-circumference-circle/v/area-of-a-circle>

Practice making the PI symbol.
Formula for area of a circle is:

Area of Circle

Why would anyone ever want to know the amount of space a circle is covering--it's area? Remember Lincoln's answer from the google hangout on Friday--to know how much floor space your round rug is going to cover. Think of a couple more reasons and write them on your google doc.

Today's work is for you to draw 3 different sized circles. Be accurate, trace something, add one to your google doc, whatever works for you. Do you have a compass at your house?

Then follow the directions in the packet which ask you to measure the things you need to know and then find the area for

Read any comments you received about your early life and childhood section of your paper. Respond to them.

Read at least 2 of the papers that were shared with you yesterday. Give thoughtful feedback in an appropriate comment to that classmate.

Be a good digital citizen and write comments only. IN NO WAY edit or alter what your classmates have typed.

Now reflect on your own paper. How are you doing?

You have today and tomorrow to write the section of your paper about your person's adult life.

Did they marry?
Have children?

Did they suffer any setbacks like disease, deaths of family members, career problems? Did those things drag them down or spur them on?

Did they have money or was life hard?

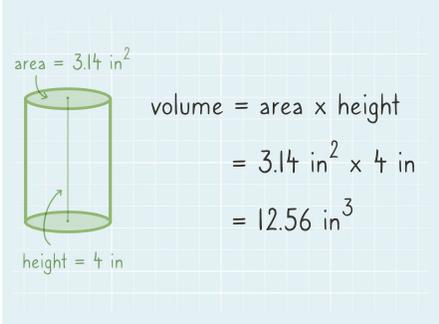
Where did they live?

How did their beliefs affect their adulthood?

Pick one of the following to share in google docs with 5 explorers.

1. What person or group of people benefitted in the past from your LH person? Who in history did not benefit? What events in history had an impact on your LH person's success and failures?
2. How did the government impact your LH person's success and failures?

	<p>each circle. The packet asks you to post pictures of your page and share your work on your google doc. Share it with 3 classmates. (James would LOVE to see it) Comment on each other's work.</p>			
<p>4/16 TH</p>	<p>Bock: Learning Target-I can complete geometric and word problem number patterns. lxl.com Grade 4 L 10,11,New smart score to 50</p> <p>Robinson: Mandatory WHOLE group meeting today at 10</p> <p>Today you will be finishing all of the Circumference/Circle pages in your packet (Leave the elapsed time pages for next week)</p> <ul style="list-style-type: none"> • Math Blaster Circle Word Problems • Circle Word Problems 1-12 (The last circle pages in your packet) <p>We will be wrapping up circumference tomorrow at our meeting so please have those pages all finished.</p> <p>Kovacs: Google hang out at 10:00 am. Be there or be square. [I simply can't say that enough given our current topic!]</p> <p>Today: Surface area of a cylinder.</p> <p>Remember that surface area is the area of all the surfaces added together. The bases (you learned yesterday how to find the area of a circle) plus the body in between which you learned was a rectangle. IF you find it before you make the net, you can just figure out the area of the rectangle and the area of the base and add.</p> <p>Put it all together and.....</p> <p>For those who want more of a challenge and who like formulas:</p> <p>https://www.youtube.com/watch?v=EnJXJPZUWxw</p> <p>This video is harder and more advanced.</p> <p>https://www.youtube.com/watch?v=PhA-7AE6MIU</p>	<p>Again, read and respond to any comments you are receiving about your paper so far.</p> <p>Reflect on your work.</p> <p>Read any classmates papers that have been shared with you and comment.</p> <p>Read what you have written so far on your own paper and be ready to pick up from there.</p>	<p>This is another day to write the section of your paper about your LH person's adulthood.</p> <p>Also re read your own work as you write.</p> <p>Are you using capital letters, punctuation, paragraph breaks.</p> <p>Here is a video on revising. You will revise over and over again. You should be revising as you go and know that you will read and revise again and again throughout this process.</p> <p>https://youtu.be/AsmqTJhFb_Y</p> <p>There are other good resources online that you can find by googling things about how to write or revise a research paper. Also, your mom and or dad are an excellent source! Have them read your work.</p> <p>Reshare with your teammates in Kovacs, classmates in other rooms, Explorations buddies and teachers.</p>	<p>Think about how your living history person relates to the economy during their time and how they possibly impacted it. Please answer all the following questions with detail!</p> <ul style="list-style-type: none"> • Were/are they considered wealthy in their region and time period? How did they acquire their wealth? • What role did they play in the economy? Did/do they have a large impact on that region's economy? How? • Did they use their wealth or economic power to impact or create change in any way? How? Do they donate money to non-profit organizations? Did they create one? Please explain.

	<p>Most of the things you need to think about are in your packet.</p> <p>Do it. Give it a shot. Use the nets. Make the cylinders. Have fun with them. Then, find the surface area.</p> <p>Remember that Ms. Kostuch is willing to meet with you at 9:30 to discuss and explain more about what we are doing.</p>			
<p>4/17 F</p>	<p>Bock: Learning Target- I can review number patterns. Ixl.com Grade 4 L All numbers smart score to 100 except 6 and 7. Bonus: explore Patterns and Sequences In fifth grade and beyond.</p> <p>Robinson: Mandatory SMALL group meetings at 10 and 10:30</p> <p>We will be going over the circumference pages in your packet today. After going through the packet, please do the following-</p> <ul style="list-style-type: none"> In your math google doc, write 2 "I Can" statements that have to do with circles <p>Kovacs: Last google hangout for math this week. Next week there will be small group meetings for math and some optional days.</p> <p>Today: Volume of a cylinder. Look at what you've done this week:</p> <p>Perimeter of a circle: circumference Area of a circle Surface area of a 3-D shape that has a Circular base or bases And now VOLUME</p>  <p>The diagram shows a cylinder with a green outline. A label 'area = 3.14 in²' points to the top circular face. A label 'height = 4 in' points to the vertical side of the cylinder. To the right of the cylinder, the following calculation is shown: $\text{volume} = \text{area} \times \text{height}$ $= 3.14 \text{ in}^2 \times 4 \text{ in}$ $= 12.56 \text{ in}^3$</p>	<p>Read your Exploration Buddies paper so far. Give constructive, helpful tips and suggestions.</p> <p>Read any comments classmates or teachers have put on your paper. Make changes in your paper accordingly or in some way respond to the commenter.</p> <p>Read what you have so far in your own paper. How do you like it?</p> <p>Are you remembering to also read things YOU like to read? Spend some time each day in your favorite spot reading things you like to read.</p> <p>Tree, Sabrina and Matthew? Closet Cameron? Bed? Hammock? Eno?</p> <p>It doesn't matter where, it only matters that you do it. Write a little blurb about what you are reading and what happened in the story today in your evidence of learning ALL doc.</p>	<p>Today you are going to START the section entitled:</p> <p>V Why your person is famous/influential</p> <p>NOTE: this is just day 1 of working on this section. This section is the heart of your paper. This section explains to the reader WHY this person is important to know about and HOW this person impacted the world. You are the teacher. What do you want people to know about your person?</p> <p>You have until April 22 to have this part of the paper done. That is NEXT week on Wednesday. Put your best effort into this section of your paper. Get advice from people. Take advice from people. Think and reflect. Maybe do some more research.</p>	<p>Learning Target- I can be kind on the internet. Be Internet Kind View the link above and answer questions on slide 21 in a google doc and share with 5 non-homeroom explorers.</p> <p>Second Step by Steph</p>

<p>https://www.youtube.com/watch?v=fxTsG4qkz1U</p> <p>https://www.youtube.com/watch?v=y3TjAHV7esk</p> <p>Remember that your answer is in cubes because you are actually measuring in cubes.</p> <p>Find the Friday page and all the nets and get to work building cylinders and practicing finding the volume of your cylinders. On your google doc write 3 take away statements for this week's math work. What can you do now that you did this work?</p> <p>Wow!! Celebrate. That was a lot of learning. Colin Greene, did that help with your container project thinking? Hope so. Remember, this was a lot of thinking and it was really well above your grade level. Be proud of yourself!</p> <p>Looking ahead, we will be returning to our text books. I heard a rumor that there is a maker's space, science days and code writing next week. FUN!!</p>			
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Specialists:

<p>PE</p> <p>Open link and choose your own fitness adventure! In addition to the lessons, I have included an optional challenge of the week.</p> <p>PE April 13-17 3-5</p> <p>Office Hours: 10:30-12:00 Mon.-Fri. michelle.hoftiezer@isd624.org</p>	<p>Chinese</p> <p>This week's activities</p> 	<p>Music</p> <p>Office Hours 10:30-12:00 jane.burmeister@isd624.org April 13-17</p> <p>Day 1 Sing: Miss Mary Mac</p> <p>Day 2 bach video watch and then write a short paper on what you learned</p> <p>Day 3 Listen bach fugue on violin</p>	<p>Orchestra</p> <p>emily.rau@isd624.org 651-571-2820 Office Hours: 11:00-12:00, 2:00-2:30</p> <p>Orchestra Lessons</p> <p>4th Graders who are interested in Orchestra take note: Here is a link for you to go to find out more about joining orchestra next year.</p> <p>https://docs.google.com/document/d/1CSKjcXo1LG-gQLcPTqN4WptZ8SEFaK29wFiB2v7T7wM/edit?usp=sharing</p>	<p>Art</p> <p>https://www.youtube.com/watch?v=Sy1EQznO6Ro&feature=youtu.be</p> <p>Art Lesson from Mr. Kyle</p>
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