

**Incoming Grades 7th & 8th
Language Arts Summer Homework 2017**

Dear Students and Parents,

I am so excited to have your student in my Language Arts class next year! Attached is information regarding the summer reading assignment. **One change you may notice in this year's assignment is that everyone in each grade will be reading the same book.** My hope is that, by reading the same novel over the summer, students can practice their reading, comprehension, and critical thinking skills. When we return to school in August students will have the opportunity to participate in deep discussions of character analysis, theme, purpose, and more. **There will also be a book test within the first two weeks of classes.**

While reading students will complete a "Reader's Notebook." This will be a digital interactive notebook distributed to them through Google Classroom on 5/25/17. Students who successfully complete the notebook will earn a completion grade of 20/20. Objective summative assignments will be given and assessed when school resumes in August.

Summer Reading- Assigned Books:

7th grade: *Mrs. Frisby and the Rats of NIMH* by Robert C. O'Brien

8th grade: *The Boy in the Striped Pajamas* by John Boyne

Both books should be easily accessible through LFPL, Amazon, Barnes and Noble, etc. I even found some copies at Half Price Books!

Please feel free to e-mail me with any questions or concerns.

Enjoy your break!

-Mrs. Schepers

Mrs. Madalyn Schepers
8th Grade Homeroom
7/8 Language Arts and Social Studies
St. Leonard School
mschepers@stleonardlouisville.org



**Incoming Grades 6th-8th
Science Summer Homework 2017**

Dear Students and Parents,

I am so excited to have your student in my science class next year! Attached are three assignments for summer. **They only need to complete one of them!** My hope is that these assignments help them continue to “do science” over the summer while practicing their reading and writing skills.

I have included rubrics for each assignment - each assignment is worth 20 points and the rubrics will help your student focus on the key pieces I would like to see from each activity. Students can also self-evaluate using the rubric.

Please feel free to e-mail me with any questions at cousley@stleonardlouisville.org.

Thank you! Enjoy Doing Science!

Mrs. Ousley

Incoming Grades 6-8: Choose one of the following activities below.

1. **Practice your observation skills:** Track and log the weather for 2 weeks. Keep detailed notes - you should include at least: temperature, level of sunlight, precipitation, wind direction and strength. At the end of your two weeks, write a conclusion showing what you learned from your observations AND compare that with notes from research you have done on weather. I recommend finding at least two articles about weather from reputable sources OR following a weather blog from a local news station.

Journal Entries - Complete	4 pts - Journal includes entries for each day of the 2 week experiment. Journal entries should be at least one paragraph per day.
Journal Entries - Detailed	4 pts - Journal entries are appropriately detailed and indicate changes that occur from day to day. Students write down clear observations. Observations include temperature, level of sunlight, precipitation, wind direction and wind strength.
Research	4 pts - Students have references from at least 2 articles, websites or books about weather.
Conclusion - Complete	4 pts - Two to three paragraph conclusion; student not only summarizes their observations but also details how their research ties into their observations.
Conclusion - Grammar/Punctuation	4 pts - Conclusion is nearly free of grammatical errors.

Total: 20 points

2. **Practice your engineering skills:** Find something in your house that is broken or doesn't work right or is going to be thrown away (it could be a toy, a piece of furniture, a container, whatever!). With an adult's permission, figure out how you could fix this item OR repurpose it into something useful. Then, go ahead and see if you can fix it (if possible)! Write and draw a design plan, take photos of your process and caption those photos! Then write a conclusion telling the reader about the success of your project.

Design Process	4 pts - Students pick a challenging but appropriate project to embark on.
Design Plan	4 pts - Students have a drawn and labeled plan of their design project, including a list of materials needed.
Photos	4 pts - Students take at least 6 photos showing them working on the project. Each photo includes a caption detailing what precisely they are working on in each shot.
Conclusion - Complete	4 pts - A three paragraph or longer description of their finished project and its function is detailed, provides an overview of the process to reach that point and addresses any issues that the students ran into while completing their design.
Conclusion - Grammar/Punctuation	4 pts - Conclusion is nearly free of grammatical errors.

3. Practice your research skills: Read a nonfiction book on a scientific subject (at or above your reading level) OR 5 articles on a scientific subject. Your research could be about an animal, plants, disease, anything! Once you have finished reading, write a 5 paragraph essay summarizing your research (paragraphs include: introduction, important idea 1 in detail, important idea 2 in detail, important idea 3 in detail, conclusion). *Note: If choosing a book, your book should be about one singular topic (like Chemistry) and not a collection of experiments (like *101 Best Science Experiments*). If you are unsure if your book is ok, comment on Google Classroom or send Mrs. Ousley an e-mail.

Book Choice	3 pts - Students pick a challenging but appropriate book on a scientific subject OR at least 5 articles on their scientific subject.
Introduction/Conclusion	3 pts - Students write an introduction that provides all relevant information on the book (title, author, subject) or articles and a conclusion that successfully “wraps up” their essay.
Body Text	9 pts - In each body paragraph, students give an important idea from the text and explain it in detail. Paragraphs are at least 4 sentences in length and are relevant to the text.
Report - Grammar/Punctuation	5 pts - Report is nearly free of grammatical errors.

Total: 20 points

News/Articles Sources:

<http://www.readworks.org> (requires a free account to access)

<https://www.sciencenewsforstudents.org/>

<https://www.studentnewsdaily.com/daily-news-article/>

<https://newsela.com/>

<https://www.nationalgeographic.org/news/>

<https://www.tweentribune.com/>

Incoming 7th Grade Math Summer Homework 2017

Dear Students and Parents,

I am very excited to have you or your student in my Math class this upcoming year! This packet to prepare for the math class you will be taking next year. This packet will help you prepare for the content and the different problem types to be ready for the next school year. You will bring your packet to school in August, and we will spend a few days going over it in class.

Also along with the math packet, you will be required to completed at minimum, 1 hour a week on Dreambox. This program is designed around your needs and what you need work on. You can do more than 1 hour a week if you would like. Remember you can break this down and do a little bit each day. Or you can do it all in one day. I will be regularly checking this to make sure it is getting done. I will be in contact if things are not moving along like they should be.

If you need help on any of the information that is in the packet, you may use different resources for help. There are a lot of helpful videos online. Mr. Dauenhauer's Youtube account has some videos, along with other helpful resources. If you truly get stuck on a problem, note that on your packet, then email me for assistance.

If you would like to do it completely digital, you may use Google Classroom to find your document. If you lose the packet that was given you may find an addition packet on Google Classroom. When you have finished your packet, if you do it on paper, you may take a picture or scan it onto Google Classroom to turn it in. It will need to be turned in on Google Classroom. If you are having trouble uploading or with Google Classroom in general. Feel free to email me.

Looking forward for next year!

Mr. Dauenhauer

adauenhauer@stleonardlouisville.org

Resources

Youtube <https://www.youtube.com/channel/UCUdJYBbNLY-ioyzM9Y684Yw>

Website <https://sites.google.com/stleonardlouisville.org/middleschoolmath>

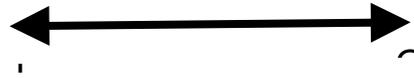
Dreambox <https://play.dreambox.com/login/39ee/stlps>

NAME: _____ DATE: _____

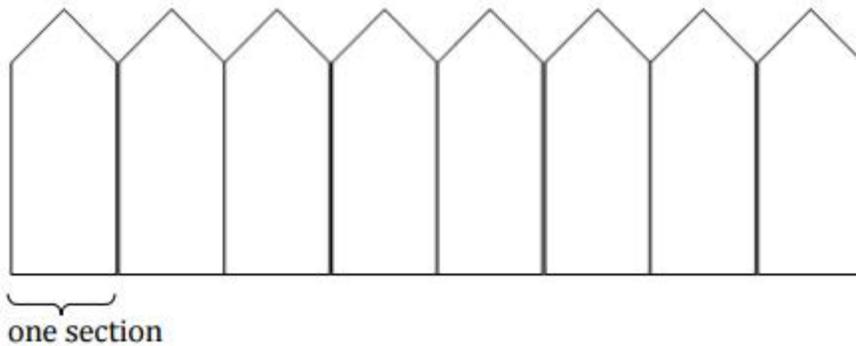
Fractions

1. Order the following sets of numbers on the number line from *least to greatest*.

a.) 

b.) 

2. Candy has to paint the fence shown below. If she can paint $\frac{2}{3}$ of **each** section in $\frac{1}{2}$ an hour, how long will it take her to paint the entire fence?



3. The snow at my uncle's house is up to $\frac{11}{12}$ feet. A new storm added $\frac{2}{3}$ feet. What is the snow level now?

4. Which one of the follow fractions is not equivalent to the others?

a.) b.) c.) d.)

5. A cupcake weighs $3\frac{1}{2}$ ounces. How many cupcakes are there in a 20-ounce package?

Number Sense and Operation

6. Mr. Dauenhauer bought 3.4 pounds of coffee that cost \$6.95 per pound. How much did he spend on coffee?
7. Which of the following quotients has the greatest value?
- a.) $0.075 \div 6$ b.) $7.5 \div 0.006$ c.) $0.75 \div 0.06$ d.) $0.75 \div 0.6$
8. Mr. Dauenhauer is planning on having a birthday party. He has 36 slices of pizza and 24 sodas. What is the maximum number of people he can invite so that each person gets the same number of slices of pizza and the same number of soda?
9. Write each phrase using numbers and symbols.
- a.) A number divided by 8.
- b.) A number less than 30.
- c.) The sum of a number and six, times three.
- d.) Twelve added to half of a number.

10. Use the table below to answer each question.

Continent	Highest Point	Elevation above sea level (ft.)	Lowest Point	Elevation below sea level (ft.)
Africa	Mt. Kilimanjaro	19,340	Lake Assal	-512
Asia	Mt. Everest	29,035	Bentley Subglacial Trench	-8,327
Australia	Mr. Kosciusko	7,310	Lake Eyre	-52
Europe	Mt. Elbrus	18,510	Caspian Sea	-92
North America	Mt. McKinley	20,320	Death Valley	-282
South America	Mt. Aconcagua	22,834	Valdes Peninsula	-131

- a.) What is the highest elevation on Earth? What is its elevation?
- b.) What is the lowest elevation on Earth? What is its elevation?
- c.) Which point on Earth is higher - Mt. Elbrus or Mt. Kilimanjaro?
- d.) Which point on Earth is lower - Caspian Sea or Lake Eyre?

11. Mr. Dauenhauer and his friends played basketball. Their scores at the end of the game were 14, 15, 8, 16, 3, 0, and 12.

- a.) Find the median.
- b.) Find the mode.
- c.) Find the average.

12. The average temperatures for one week in Alaska are as follows:

10, 6, 9, 6, 2, 0, 3

a.) Find the median.

b.) Find the mode.

c.) Find the average.

13. If you can buy 8 gallons of gas for \$25.60, what is the **cost per gallon?**

14. The ratio of girls to boys in a seventh grade class is 5 to 7. Using this information, which of the following statements are possible?

a.) 15 boys are in the class

c.) 10 girls are in the class

b.) 24 people are in the class

d.) 35 people are in the class

15. You took a 20 question test and received a 65% on it. How many questions did you answer correctly?

Geometry

16. Calculate the area of the rectangle below.

Area = Length x Width



17. If the perimeter of Milo's rectangular backyard is 16 feet. Which of the following could be the dimensions of the yard? Circle all that apply?

a.) 6 feet by 2 feet

b.) 4 feet by 3 feet

c.) 7 feet by 9 feet

d.) 3 feet by 5 feet