

# OLC Summer Enrichment Fifth Grade



Dear Fifth Grade Parents,

Welcome to Fifth Grade! Please visit the OLC website and click on the Summer Enrichment link to access the packet. The packet includes: a summer book report to build reading comprehension skills and prior knowledge of content taught across the curriculum, a writing journal that will serve as reminders and examples of moments that occurred over the summer that will better prepare them for their first Unit of Study in Writer's Workshop, and a landform project that the students will use while learning about our nation's geography. In addition, the packet includes a community action plan project in preparation for our STEM Engineering Design Project in October.

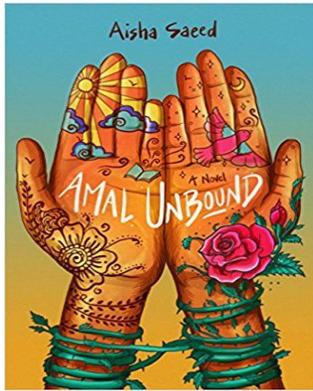
The STEM Engineering Design project centers around the U.N. Sustainable Development Goals (SDG), goals that the United Nations set to be completed by 2030. Some goals include no poverty, zero hunger, clean water and sanitation, and clean and affordable energy. Students will be working throughout the school year to development prototypes to help reach one of these goal for a specific country in need. To help prepare for this project, this summer students will develop a plan to help their local community.

The work is due the first week of school, as it will serve as part of the beginning of the year academic instruction.

The attached pages outline the summer enrichment activities planned for incoming fifth graders. I ask that you only focus on this packet to maximize skill development and quality of work product.

Sincerely,

Miss Kelly and Mr. Floyd



### Preparing for Fall Read Aloud

The 2018-2019 School Year will reintroduce students to the **Global Read Aloud** initiative (“*One Book to Connect the World*”). We will prepare for this exciting opportunity by exploring trade text that allow us to connect with classrooms across our country and internationally by engaging in book talks and discussions. This years Global Read Aloud will be *Amal Unbound* by Aisha Saeed. Students are strongly encouraged to purchase, *Amal Unbound*, prior to beginning our Global Read Aloud this fall.

### Summer Book Report

Please allow your child to choose **1** of the 5 books to read and create a book report. All of the books listed will be used in class, so that all students have read the story and interacted with the text. We are **not** asking for all 5 books to be read this summer. **Please only focus on one to develop a deep understanding of the content, plot, setting, and characters.**

**Book Choice 1:** The One and Only Ivan by Katherine Applegate

**Book Choice 2:** The Secret Garden by Frances Hodgson Burnett

**Book Choice 3:** Chains by Laurie Halse Anderson

**Book Choice 4:** The Magicians Nephew by C.S. Lewis

**Book Choice 5:** Pax by Penny Packer

I encourage creativity in the use of materials and how the information is presented. Be creative!

## Social Studies

Students begin the year learning about our nation's geography and major landforms of the United States. Each student should choose from one of the landforms listed below and create a diorama of a landform. A diorama is simply a "shoebox creation." Students need to create a scene of the landform inside of a shoebox or other small cardboard box.

Dioramas should be fun and inexpensive. Some materials you might use for creating your scene: aluminum foil, cotton balls, blades of grass, popsicles sticks, paint, plastic figures, toilet paper, tubes, twigs, clay, toothpicks, construction paper (from school), etc.

Use the Internet (with parent supervision) to get some ideas:



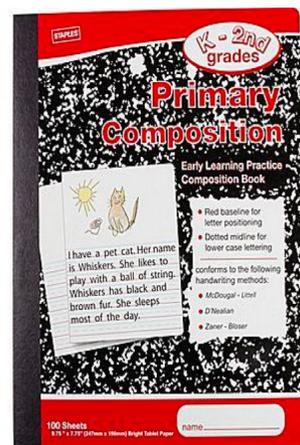
Gulf Valley  
River Hills  
Coastal Plain Coral Reef  
Bay  
Waterfall  
Desert  
Canyon

<http://www.enchantedlearning.com/geography/landforms/>  
<http://www.edu.pe.ca/southernkings/landforms.htm>  
[http://www.harcourtschool.com/activity/types\\_of\\_land\\_2/index.html](http://www.harcourtschool.com/activity/types_of_land_2/index.html)

## Summer Writing Journal

Please purchase 1 composition notebook for journal writing.

Students will be asked to complete 20 detailed journal entries (1 to 2 entries per week) about their summer vacation. This assignment will serve as reminders and examples of moments that occurred over the summer that will better prepare them for their first Unit of Study, writing Personal Narratives, in Writer's Workshop. Students may include pictures and captions in their journals that give the reader a better visual and understanding of the moments they had with family and friends.



## Science/Engineering Enrichment Design for Change

In preparation for a year of building and creating to make a difference in the world through our STEM project centered around the U.N. Sustainable Development Goals, let's start by designing something to make an impact in your community!

In this "Design for Change" project you will work to develop a plan to make a positive impact in their community. **A PLAN IS ALL THAT IS REQUIRED.** While students are welcome to try to put their plans into action over the summer, this is not the goal of the project nor is it a requirement.

### **Examples of student created action plans:**

- <https://tinyurl.com/ycbmg24g> Creating bike paths
- <https://tinyurl.com/yab5cjtj> Making hospital rooms more welcoming for kids
- <https://tinyurl.com/ya8doro9> Community garden

**Research:** Think about and list changes or improvements that you feel could help make positive impacts in the world around you. Speak to your parents, friends, community leaders (if possible) to help you identify community needs.

- 1) **Personal Life-** (Hobbies, sports, extra-curricular activities, etc.)
- 2) **School-** (friendships, learning, waste, etc.)
- 3) **Community-** (playgrounds, litter, traffic safety, etc.)

**Brainstorm:** After reviewing your lists, choose one category to focus on that you feel you would most like to help (Personal Life, School, or Community). Brainstorm possible solutions or plans to help improve that area. Remember, there are **NO** bad ideas in the brainstorming phase! There should be a minimum of 5 ideas in your brainstorm.

**Design:** Choose your favorite idea from your brainstorm and develop an action plan. Your action plan should be typed and submitted with your presentation.

- 1) Identify the problem. Why is this something that needs to be improved?
- 2) Break down your plan into action steps. Plan how you will carry out each step.
- 3) List resources you will need.
  - a) How will you get them?
  - b) How many people will you need?
  - c) How much time will it take?
- 4) Identify challenges/issues you might face with your plan. It can still be a great plan, nothing is perfect!

**Share:** During the design process, engineers share and celebrate more than just the finished product. We love to see the whole process from start to finish. Create a presentation that highlights the **Research, Brainstorm, and Design** phases of your project. Include any necessary images or diagrams.

**Presentation Methods:**

- Online Presentation: Google Slides, PowerPoint, Prezi, etc.
- Mini Tri-fold Display (14 x 22): There should be a column for Research, Brainstorm, and Design.

\*Remember, these are only **PLANS**, there is **NO requirement** to put this plan into action!

\*Project adapted from World's Largest Lesson, an organization dedicated to teaching students about the U.N. Sustainable Development Goals

## Math Enrichment

Your summer enrichment work is in two parts. The first part is on IXL. You should work a total of 45 minutes. You can do more if you want. I suggest you work on several of the **fourth grade** topics listed below. You should work on the areas that you feel you need to strengthen the most.

A. 1-9;

B. 1-9;

C. 1, 2, 6-7;

D. 1-7, 9, 10, 17-19, 22-23, 25, 29;

E. 1-11, 20-24

F. 1, 5, 7-10

Q. 1-4, 10, 11, 16, 19

R. 4-10

S. 1-10

U. any

V. 1-3

Remember this is a total of 45 minutes, not 45 minutes in each section. You will be given credit for working for the required time. You will not be penalized for wrong answers.

### **Logging into IXL:**

There are two options.

Option 1: go to [www.ixl.com/signin/olc](http://www.ixl.com/signin/olc). Enter your user name (first initial and last name) and password (student). For example I would enter "jcarroll" as my name and "student" as my password. If you have a sibling with the same first initial, one of you has a "1" at the end of your name.

Option 2: Go to [www.ixl.com](http://www.ixl.com). Enter your user name plus "@olc" and password ("student"). For example I would enter "jcarroll@olc" as my name and "student" as my password.

If you have any questions on accessing IXL, email Mr. Keating at [keatingt@olcschool.org](mailto:keatingt@olcschool.org).

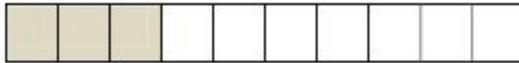
The second part are the pages that follow. I suggest you divide the work into weekly assignments, rather than sitting down and trying to do the whole thing at the last minute. If you are having difficulty solving problems, try answering some problems on IXL, and read the explanations.

Name: \_\_\_\_\_ Our Lady of Czestochowa School

1. Irene earned \$45 in five hours. Find the hourly rate.

2. What is the value of the underlined number? 273, 229

3. What fraction is modeled by the shaded area below?



4. Place the following decimals in order from least to greatest.

5.25, 5.09, 5.12, 5.1, 4.77

5. Jonathan had \$28.55. He earned \$12.50 for cutting his neighbor's lawn. How much money does Jonathan have now?

6. Jenna ran the 100-meter race in 14.76 seconds. Mark ran the 100-meters in 16.03 seconds. How much faster did Jenna run the race than Mark?

7. An auditorium is divided into three equal sections. If the auditorium seats 492 people, how many seats are in each section?

8. What is the place value of the underlined digit? 108.49

9. Write six and four sevenths as a number.

10. Write the decimal two and twelve hundredths as a number.

11. There are 420 people attending a dinner. If each table can seat 8 people, how many tables will be needed for the dinner?

12. What is the next number in the pattern? 16, 19, 22, 25, \_\_\_\_

13. What is the simplest form of  $\frac{24}{27}$ ?

14. Tara earns \$7.50 per hour working at the supermarket. How much does she earn if she works 37.5 hours?

15. What number is missing? \_\_\_\_\_, 321, 332, 343, 354

**Find the product.**

16. 
$$\begin{array}{r} 44 \\ \times 32 \\ \hline \end{array}$$

17. 
$$\begin{array}{r} 53 \\ \times 26 \\ \hline \end{array}$$

18. 
$$\begin{array}{r} 72 \\ \times 54 \\ \hline \end{array}$$

19. 
$$\begin{array}{r} 64 \\ \times 13 \\ \hline \end{array}$$

20. 
$$\begin{array}{r} 952 \\ \times 41 \\ \hline \end{array}$$

21. 
$$\begin{array}{r} 397 \\ \times 19 \\ \hline \end{array}$$

22. 
$$\begin{array}{r} 243 \\ \times 30 \\ \hline \end{array}$$

23. 
$$\begin{array}{r} 137 \\ \times 88 \\ \hline \end{array}$$

24. 
$$\begin{array}{r} 645 \\ \times 274 \\ \hline \end{array}$$

25. 
$$\begin{array}{r} 582 \\ \times 639 \\ \hline \end{array}$$

26. 
$$\begin{array}{r} 933 \\ \times 484 \\ \hline \end{array}$$

27. 
$$\begin{array}{r} 703 \\ \times 695 \\ \hline \end{array}$$

**Find the quotient. You may rewrite the problem to do as long division.**

28.  $268 \div 4$

29.  $397 \div 7$

30.  $216 \div 3$

31.  $459 \div 5$

32.  $2,645 \div 5$

33.  $6020 \div 4$

34.  $2440 \div 7$

35.  $7,115 \div 6$

36.  $\$47.60 \div 4$

37.  $\$345 \div 5$

38.  $\$1.44 \div 3$

39.  $\$0.84 \div 2$

**Solve the following problems.**

40. A sporting goods manufacturer shipped 575 boxes of baseballs to its customers. Each box contained 72 baseballs. What was the total number of baseballs shipped?

41. If a printing press prints 1,320 pages per minute, how many pages does it print in 10 minutes?

42. The Johnson family's water bill is about \$23.75 per month. How much do the Johnsons pay for water in a year?

43. Mary works at a gift-wrapping station in a department store. It takes 88 centimeters of ribbon to wrap a package. How much ribbon will she need to wrap 48 packages?

44. A bus carried 6,195 passengers in 6 days. How Many passengers did they carry in one day?

45. When the circus came to town, it sold 45,625 tickets for 5 performances. How many attended the circus each night?

46. The Happy Rest Motel needed to replace some of its television sets. The company paid \$2,008.72 for 4 televisions sets. What did it pay for one set?

**Give the greatest common factor for the following numbers.**

47. 9 and 15

48. 16 and 56

49. 28 and 56

50. 24 and 27

51. 15 and 30

52. 24 and 36

53. 42 and 63

54. 28 and 70

**Is each fraction in lowest terms? Write yes or no.**

55.  $\frac{7}{9}$

56.  $\frac{12}{27}$

57.  $\frac{11}{44}$

58.  $\frac{5}{8}$

59.  $\frac{2}{4}$

60.  $\frac{5}{16}$

61.  $\frac{4}{10}$

62.  $\frac{3}{9}$

**Reduce each fraction to simplest form.**

63.  $\frac{10}{16}$

64.  $\frac{9}{24}$

65.  $\frac{18}{81}$

66.  $\frac{21}{28}$

67.  $\frac{2}{8}$

68.  $\frac{40}{45}$

69.  $\frac{6}{15}$

70.  $\frac{8}{44}$

71.  $\frac{25}{100}$

72.  $\frac{3}{9}$

73.  $\frac{8}{32}$

74.  $\frac{4}{24}$

**Find the sum or difference.**

$$\begin{array}{r} 75. 0.58 \\ -0.29 \\ \hline \end{array}$$

$$\begin{array}{r} 76. 0.40 \\ -0.05 \\ \hline \end{array}$$

$$\begin{array}{r} 77. 0.91 \\ -0.333 \\ \hline \end{array}$$

$$\begin{array}{r} 78. 7.38 \\ -1.4 \\ \hline \end{array}$$

$$\begin{array}{r} 79. \$ 89.40 \\ - 3.11 \\ \hline \end{array}$$

$$\begin{array}{r} 80. 0.692 \\ -0.381 \\ \hline \end{array}$$

$$\begin{array}{r} 81. 0.5 \\ -0.389 \\ \hline \end{array}$$

$$\begin{array}{r} 82. 16.537 \\ - 5.7 \\ \hline \end{array}$$



