



Grade 7 into Grade 8 Summer Learning Packet 2021

At ASM, we believe that summer learning is very important to students' futures. It helps to keep their academic skills sharp over the summer and it sets them up on the path for success for the new academic school year.

Learning assignments are provided for the following core subject areas:

- English Language Arts (*1 task mandatory for all students & 1 task optional*)
- Math (*1 task mandatory for all students & 1 task optional*)
- Science (*mandatory for all students*)
- Social Studies (*mandatory for all students*)

Completed assignments should be submitted to your subject teachers at the beginning of the academic year.

English Language Arts

MANDATORY Summer Reading Assignment:

Click on the link: <https://asmsummerreading.weebly.com/>

Choose ONE book from the reading list for your Grade level AND be prepared to complete an in-class essay (open book) based on the book you have read within the first two weeks of school. This will also be your first MSA writing diagnostic to measure your level in writing. It will also be a graded assignment. You may use prepared notes, up to 1 page double-sided of bullet-point notes and quotes prepared for the essay. You should not write out passages of your essay or copy information from online sources.

Please choose a book you have NOT read before.

- Divergent by Veronica Roth
- The Book Thief by Markus Zusak
- The Outsiders by SE Hinton
- The Lost Code by Kevin Emerson
- What Happened to Goodbye by Sarah Dessen
- Mexican Whiteboy by Matt de la Pena

OPTIONAL IXL Assignment:

English (ELA) IXL Summer Work

If you have already completed the IXL Diagnostic assessment as part of your classwork, you can go straight to working on your recommended skills.

You need to aim for at least proficiency (SmartScore of 80) or aim higher and reach for mastery (SmartScore of 100). Start by focusing on improving your weakest areas.

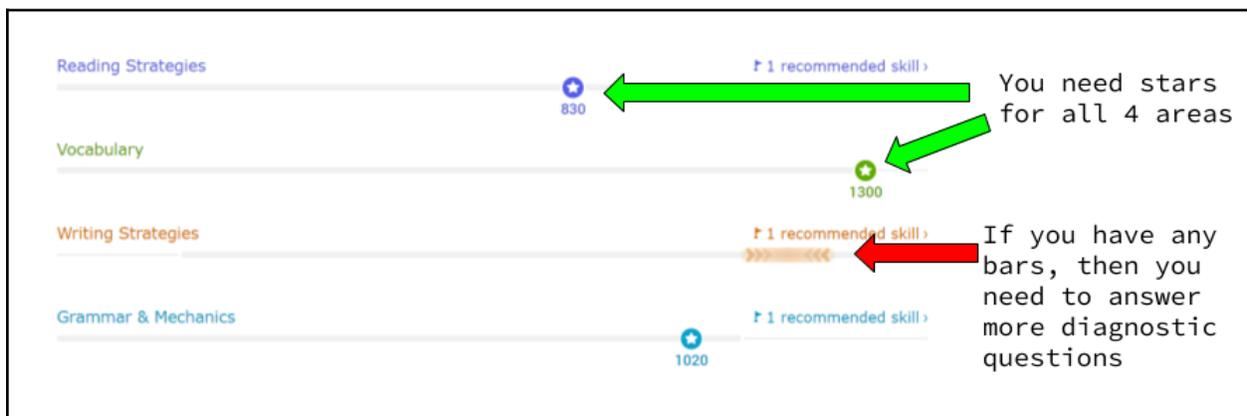
You need to complete **30 minutes of IXL per week for 8 weeks** of the summer break (**total 4 hours**). This is a graded task.

If you have not done the Diagnostic assessment in IXL, please do this first before beginning to work on any recommended skills.

How to complete the IXL Diagnostic:

Go to the Diagnostic tab, and enter the arena. When you are in the arena, click the arrow in the right corner of the teal colored bar. From the menu, select language arts so you only answer English questions in this session. Spend about 20 minutes answering diagnostic questions. You can check your progress by clicking on the left hand side of the teal bar. You need to have a star with a number for each strand (Reading Strategies, Vocabulary, Writing Strategies, Grammar & Mechanics).

If you do not have a star, but you have a coloured bar, you need to keep answering diagnostic questions. Once you have identified your levels, work on the recommended skills.



Math

Due Date: Friday, September 10th.

The IXL lessons are **mandatory** for all students.

IXL Grade 8 - C3, C7, C8, E2, E3, E5, E6

You need to work to achieve a minimum score of proficiency (SmartScore of 80) for each topic.

The Flipped Math lessons are **optional**:

The FlippedMath links below take you to units that contain videos, practice worksheets, and solutions to help you prepare for your upcoming grade-level math.

Unit 1 [Unit 1 Expressions & Equations - Algebra \(flippedmath.com\)](https://algebra.flippedmath.com/)

Unit 2.1 <https://algebra.flippedmath.com/21-real-numbers.html>

Unit 2.2 <https://algebra.flippedmath.com/22-add-and-subtract-real-numbers.html>

Unit 2.3 <https://algebra.flippedmath.com/23-multiply-and-divide-real-numbers.html>

Unit 2.4 <https://algebra.flippedmath.com/24-combine-like-terms-and-distributive-property.html>

Science

Due Date: Friday, September 10, 2021

This assignment is mandatory for all students.

The **ASM Science Summer Learning Task** is designed to allow students to explore some of the topics they will be studying in the coming year so that you are better prepared for a successful year.

For the task, you are to create a short video (**3:00 minutes max**) to explain a big idea in one of these fields:

[\(Life Science\)](#) Microbiomes, Metabolism, Genetic Traits, Reproduction, Populations, Resources, Matter & Energy in Ecosystems, Natural Selection, Evolutionary History

We have provided links to the CK-12 Textbooks to help you get started with ideas.

Your film can take any form you like: animation, talking head, documentary, dramatic reconstruction, whatever. It's worth keeping in mind that video is a dynamic visual medium - using diagrams, simulations, physical demonstrations etc. is a lot more effective than standing in front of a blackboard talking.

The videos will be graded as a **FORMATIVE ASSESSMENT** according to the following criteria:

0	1	2	3	4	5
Engagement					
Failed to establish engagement and did not hold viewer's attention.	Somewhat interesting but did not hold viewer's attention for the entire length of the video.	Mildly interesting and held viewer's attention for the entire length of the video.	Interesting and viewer felt engaged throughout the entire length of the video.	Very interesting and throughout the video, viewer was excited to see what would come next.	Captivating and made the viewer want to watch other videos made by the entrant.
Illumination					
Failed to explain the subject matter clearly; video did not help viewer understand subject matter.	Explanation was at times confusing and viewer was not able to understand much of the subject matter.	Explanation was fairly clear but covered only general concepts.stronger.	Explanation was clear and covered some topics beyond general concepts.	Explanation was very clear and covered many topics beyond general concepts.	Viewer was able to fully understand the explanation, and video provided a deep dive into the intricacies of the

					subject matter.
Creativity					
No elements of the video demonstrated a creative approach to explaining the subject matter.	The explanation was standard and contained one or two resourceful elements.	Parts of the video used creative approaches that made those parts of the explanation stronger.	Many parts of the video took an unorthodox approach to explaining the subject matter, which made the overall explanation stronger.	The student implemented a creative approach throughout the entire video that helped the viewer understand the subject matter.	Video provided an inventive approach that should be used to teach this subject matter.
Difficulty					
Subject matter is typically covered at the elementary school level.	Subject matter is typically covered at the middle school level.	Subject matter is typically covered at the middle school level, but the video expands upon more complex areas of the subject matter.	Subject matter is typically covered at the high school level.	Subject matter is typically covered at the advanced high school level or early college level.	Subject matter is typically covered at the advanced college level or higher.

Grading Scale

Letter Grade	Points
A	15-20
B	10-14
C	5-9
D	1-4
F	0/Not Completed

Works Cited:

You must cite a minimum of **5 credible references** at the end of your presentation.

- How do I know if a source is credible?
[Kent State: Identifying Credible Resources](#)
[UTEP: Good Source vs Bad Source](#)
- Can I use Wikipedia?
 “Wikipedia should be used as a jumping-off point to spark more research, but not as a source on its own.” ([UTEP](#))
- How do I cite sources?
<https://www.citationmachine.net/mla/cite-a-website>
<https://www.easybib.com/>

This learning task was inspired by the [Breakthrough Junior Challenge](#). If you’re looking for guidance, you can see some examples [here](#). But remember, to show ‘creativity’ your film should be as **original** as possible.

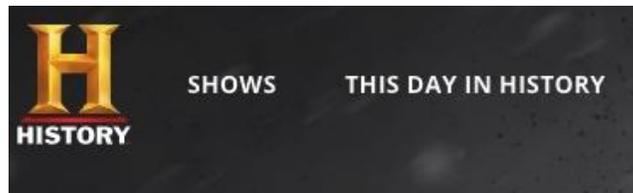
Social Studies

Due Date: Friday, September 10, 2021

This assignment is mandatory for all students.

“This Day in History”

1. Read all of the directions before you open the following link: www.history.com
2. Click on the tab **“This Day in History”** towards the left corner of the website navigator bar.



3. On the next screen, click on the date and a calendar pop-up will open.



4. Scroll through the months (using the arrows) and locate **YOUR BIRTH DATE**
5. Read about the different events that happen on your birth date. Some have links to other articles and some may have short video clips.
6. Complete the tasks on the next page.

- A. YOUR NAME
- B. YOUR BIRTH DATE
- C. NAME AND DATE OF EVENT YOU CHOSE

1. Summary:

Give a brief but meaningful summary. DO NOT copy from the article you use; just tell me the main ideas about the event. *Must be a minimum of one complete paragraph or at least 3 - 5 sentences.*

2. MY Opinions / Thoughts:

Why is this event important? What do you think and feel after reading about it? Did anything surprise you? What did you learn? *Must be a minimum of 3 to 5 sentences.*

3. Two New Vocabulary Words

Research and record the definitions of two new words you were not familiar with before. Write down the word, the part of speech, and the meaning in your own words.

OR

If you know all of the words, pick two words that you can use to best describe the main idea of your article to another person that has not read it.

4. Making Connections

Review the GRAPES document on the next page, and choose the theme that best reflects the main idea of your event. Explain your decision in complete sentences. *Explain in 3 to 5 sentences and be sure to use the following example below!*

EXAMPLE: I think this event best reflects “accomplishments” because archaeologists utilized the Iceman findings to analyze the past and learn about daily life hundreds of thousands of years ago.

Social Studies GRAPES

Term	Definition	Images
<p style="text-align: center;">Geography</p>	<p style="text-align: center;">The study of Earth's surface and the processes that shape it</p>	
<p style="text-align: center;">Religion</p>	<p style="text-align: center;">The belief in and worship of a superhuman controlling power; personal god or gods</p>	
<p style="text-align: center;">Accomplishments</p>	<p style="text-align: center;">Something that has been achieved successfully</p>	
<p style="text-align: center;">Politics</p>	<p style="text-align: center;">Anything relating to government or the public affairs of the country</p>	
<p style="text-align: center;">Economics</p>	<p style="text-align: center;">Anything relating to the production, consumption or trading of wealth</p>	
<p style="text-align: center;">Social Classes</p>	<p style="text-align: center;">Of or relating to rank or status in society</p>	

