



DMHS Summer Work Assignment 2017

High School

Purpose: While you enjoy your summer, distance from daily attendance from school offers pause, reflection--space into which we can think more deeply, in new and original ways. These assignments will take advantage of this reflective space and offer you hints about what we'll dive into in the fall. Have fun with this! You will have the opportunity to share some of your summer pursuits with your community in August.

Components: There are three main components to this assignment:

1. Reading + Literary Reflection and Analysis
2. Math: Khan Academy Skills Practice
3. Science:
4. Spanish II or Spanish III (if you are taking Spanish)

Due Dates: All three components of this assignment are due **on the first day of school: Monday, August 14 (11th years) and Tuesday, August 15th (10th years)**. Please bring all three components in with you on the first day of school.

READING

This summer you will read *I am Malala: How one girl stood up for education and changed the world* **by Malala Yousafzai, with Patricia McCormick**. ***There are TWO VERSIONS of this story in book stores, so be sure you get the right one, the one co-authored by McCormick!***

- 1) Find the book at your local public library or local bookstore. This will require you to do some research about where the closest public library is to your house and about how to get a library card. **Do not wait until the end of summer to find this book, especially if you are checking it out of the library as they have limited copies.** Here is a link to learn about obtaining a library card: <https://www.denverlibrary.org/library-card>. You can also just go to ANY library branch in the city and sign up there. From the library website: "To receive your library card, present photo identification and verification of Colorado address at any of our locations. Applicants 13 and under must be accompanied by a parent or guardian with picture ID and proof of address." Note: if you have a MyDenver card from Denver Parks and Rec, you can activate it as a library card at your local library.

- 2) There are six parts of the book: Parts One, Two, Three, Four, Five, and the Epilogue. After **each** part, do the following:
- a) Choose, from the following list, a question to answer in a **full** paragraph (one per section--so the assignment is to write six paragraphs total):
 - i) What about Malala can you relate to? Give a page number.
 - ii) What about Malala's life surprises or strikes you and why? Give a page number.
 - iii) What can you infer about the Taliban? Give a page number.
 - iv) What do you think the global response should be to acts like the one chronicled in this book? What do you think the US response should be?
 - v) Do you think what the US is currently doing about extremist groups is appropriate? (This question requires background knowledge--please answer only if you have that or feel like doing additional research).
 - vi) What do you appreciate about the book? What would you suggest to the writers?
 - vii) If you met Malala, what would you ask her? Put yourself in her shoes and attempt to answer the question *as her*. Write in detail that reflects reading the book.
 - b) You may use questions more than once only if you have significantly different ideas to add.

Summary from Amazon.com

The bestselling memoir by Nobel Peace Prize winner Malala Yousafzai, now in paperback with a new epilogue!

I Am Malala. This is my story.

Malala Yousafzai was only ten years old when the Taliban took control of her region. They said music was a crime. They said women weren't allowed to go to the market. They said girls couldn't go to school.

Raised in a once-peaceful area of Pakistan transformed by terrorism, Malala was taught to stand up for what she believes. So she fought for her right to be educated. And on October 9, 2012, she nearly lost her life for the cause: She was shot point-blank while riding the bus on her way home from school.

No one expected her to survive.

Now Malala is an international symbol of peaceful protest and the youngest ever Nobel Peace Prize winner. In this Young Reader's Edition of her bestselling memoir, which has been reimagined specifically for a younger audience and includes exclusive photos and material, we hear firsthand the remarkable story of a girl who knew from a young age that she wanted to change the world -- and did.

Malala's powerful story will open your eyes to another world and will make you believe in hope, truth, miracles and the possibility that one person -- one young person -- can inspire change in her community and beyond.

Details

- You may handwrite or type the assignment.
- Please be aware that taking analysis from the internet is plagiarism and is *illegal* as an adult (it's considered stealing). Use your own brain! It's better than what you'd find on the internet anyway.

MATH

Keep your mathematical mind fresh! Review math skills before getting deeper into high-school concepts next year. Complete 16 Khan Academy exercises of your choice within the Algebra I Mission (for those going into Algebra II) or Algebra II Mission (for those going into Precalculus) before returning to school on August 15. That's two per week if you give yourself a week off. To switch your mission, click "Subjects" in the top left corner of the screen, then click the appropriate grade level under "Math by subject." If you're unsure of which one you should do, email me at scott_ellis@dpsk12.net.

Reminder of Login Information

Once you've navigated to khanacademy.org, use username FirstnameLastname unless that username was already taken, in which case your username is FirstnameLastnameDMHS. Your password is dmhs2014, dmhs2015, dmhs2016, or dmhs2017 depending on the year you joined DMHS.

Use this table to keep track of your work:

Name:

Khan Mission:

Name of Exercise	Date	Difficulty	# attempted	# correct
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				

SCIENCE

“The art and science of asking questions is the source of all knowledge.” - Thomas Berger

“Science is a way of thinking much more than it is a body of knowledge” - Carl Sagan

Stay fresh! Your science work this summer is designed to push your thinking skills, and your observation skills. Our guiding question as a school this year is: ***How can we create, use, and distribute energy in a way that preserves and increases the well-being of the world’s people and the planet?*** You will prepare yourself to begin answer this question both theoretically and practically. There are three parts to your assignment:

Part 1: What is energy? Consult at least one source - dictionary, article, book, website - to help you answer this question. Cite your source using MLA format, and **write a paragraph explaining what energy is.**

- Guidelines on MLA format can be found here: <https://owl.english.purdue.edu/owl/resource/747/24/>

Part 2: Energy use: Use the following table to **track your energy use for a whole day.** What sources of energy do you use to power your day? Where does it come from? Make an educated guess if you are not sure. The first few rows are filled out as examples.

Part 3: Energy flow: The Law of Conservation of Energy states that *energy is neither created or destroyed in a closed system.* Make a drawing, chart, story, written explanation, or diagram to map out how energy flows through a system - where it comes from, where it goes, and how it changes .You may choose any system you want, as long as you are able to show or explain how energy flows through it. Here are some ideas:¹

- Make a food web that shows how the organisms in an ecosystem (your backyard, the desert, etc.) are connected. You may draw, photograph, or print pictures from the internet to represent the organisms you choose.
- Make a food chain that represents a meal you have eaten recently.
- Find a story or movie that demonstrates how energy flows in a system. Write an explanation of that flow.
- Write your own story or comic strip that shows your understanding of how energy flows.
- Diagram the energy that flows through your day.
- Draw a map of the carbon cycle, since carbon is a form of stored energy in almost all life on Earth.

*Note: If you consult any external resources for information or inspiration in this work, you **must** cite your sources using MLA format. **Prepare a works cited list to hand in with your assignment.***

¹ Adapted from: <http://www.nsta.org/publications/news/story.aspx?id=52981>

Spanish II,III Homework

Part I Oral- Try to practice your Spanish over the summer

Example: If you go to a mexican restaurant order your food in Spanish.

Part II Listening/vocabulary- Watch Spanish television, Spanish youtube videos, a Spanish podcast, or listen to Spanish music and write at least 10 vocabulary words. *Spanish III, Write the word and a definition of the word in Spanish.*

Part III Grammar-Present tense conjugation-Using the chart conjugate the following verbs in the presents tense. Label with the type of verb; regular (A), stem changers (B), Yo verbs (C) or irregular verbs (D). *For Spanish III, choose 10 of the words to conjugate using the preterite tense.*

Verbos	inglés	Type of verb	Yo	Tú	Él/ella/usted	Nosotros	Ellos/ellas/usted
1.bailar	To dance	A	bailo	bailas	baila	bailamos	bailan
2. jugar							
3.buscar							
4.proteger							
5.pensar							
6.poder							
7.pedir							
8.distinguir							
9.conducir							
10.dirigir							
11. dar							
12. decir							

13. estar							
14. ser							
15. oír							
16. venir							
17. cantar							
18. escribir							
19. leer							
20. cerrar							