

6th Grade School Supply List for STEM 2024-2025 school year!

Green is the 6th grade color.

6th Grade - General Supplies

Pens: blue and black ink

Highlighters

Mechanical pencils (.9) with extra led

Sticky Notes

Eraser tops - or eraser bar

Handheld sharpener

College ruled notebook paper

Crayola twistable colored pencils

glue sticks

1 Green folder (parent communication folder)

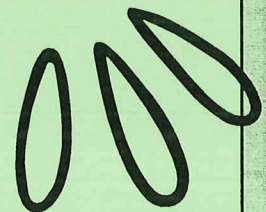
Language Arts - 1 Green folder - two pockets with 3 prongs

Social Studies - 1 green folder - two pockets with 3 prongs

Technology - 1 Green composition book - 100 pages

Math - 1 Green three subject spiral notebook

Science - 1 Green three subject spiral notebook, 1 Green folder 2 pkt/3 prongs



Meet the teacher



Mrs. Waller

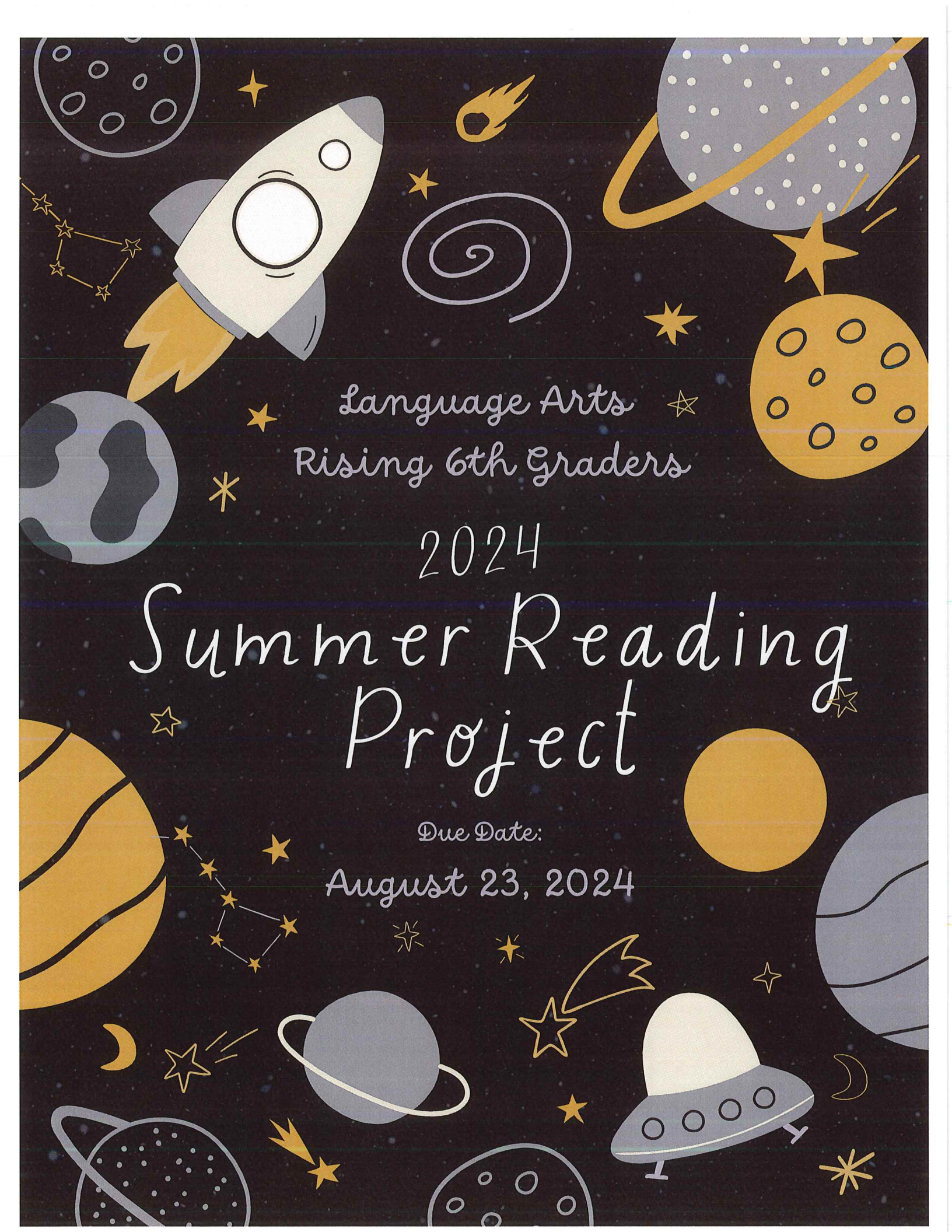
STEM LANGUAGE ARTS

HI! MY NAME IS MRS. WALLER, AND I AM SO EXCITED TO BE A PART OF THE MADISON MIDDLE SCHOOL STEM TEAM! MORE IMPORTANTLY, I AM THRILLED TO BE YOUR LANGUAGE ARTS TEACHER FOR THE SCHOOL YEAR!

THIS WILL BE MY 22ND YEAR TEACHING. I WAS RAISED ON THE EAST COAST OF FLORIDA IN COCOA BEACH NEAR KENNEDY SPACE CENTER. WHEN I GRADUATED FROM HIGH SCHOOL, I CAME TO TAMPA TO ATTEND THE UNIVERSITY OF TAMPA... GO SPARTANS! I HAVE A BACHELOR'S DEGREE IN PSYCHOLOGY AND A MASTER'S DEGREE IN EDUCATION.

I CAN'T WAIT TO SEE WHAT THE NEW SCHOOL YEAR HAS IN STORE FOR US.

A FUN FACT ABOUT ME IS THAT I LOVE MINT CHOCOLATE ANYTHING!

The background is a dark navy blue space filled with various celestial objects. In the top left, a white rocket with a yellow flame is angled upwards. To its right is a yellow comet with a long tail. Further right is a large planet with a grey ring and a blue-grey surface covered in white dots. Below the rocket is a grey planet with dark grey spots. To the right of the ringed planet is a yellow planet with several black circles. In the bottom left, a yellow planet with black horizontal stripes is partially visible. At the bottom center is a grey planet with a white ring. In the bottom right is a grey UFO with a white dome and four landing wheels. The background is also filled with numerous yellow stars of different sizes, some with motion lines, and several constellations of stars connected by thin white lines. A white spiral nebula is located in the upper middle section.

Language Arts

Rising 6th Graders

2024

Summer Reading Project

Due Date:

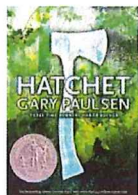
August 23, 2024

2 Books...1 Project

OBJECTIVE

All 6th Grade STEM students must read the novel **"Hatchet" by Gary Paulsen** and one other SSYRA book of their choosing, then complete a project for ONE of the books.

REQUIRED BOOK



Hatchet is a novel by Gary Paulsen that tells the story of **Brian Robeson, a thirteen-year-old boy who survives a plane crash in the Canadian wilderness**. Brian has to overcome many challenges, such as finding food, shelter, and fire, as well as coping with his emotions and memories of his parents' divorce. Brian learns to adapt to his new environment and becomes more resourceful and resilient.

PROJECT CHOICES

1. A Timeline - A visual reference

Create a timeline of the main events in the book. Include the important and meaningful events and be sure to **introduce all main characters**. Include artwork to help illustrate the main events. Do not include the last chapter on the timeline so as not to give away the ending. Instead, end the timeline with a stimulating question to utilize the skill of predicting outcomes. This is a project, so be sure to present a neat and clean timeline. Your project can be completed on paper or you can present it digitally using PowerPoint, Word, Publisher, or another format of your choosing. See examples on the next page.

2. Diorama - Let the viewer "see" your scene!

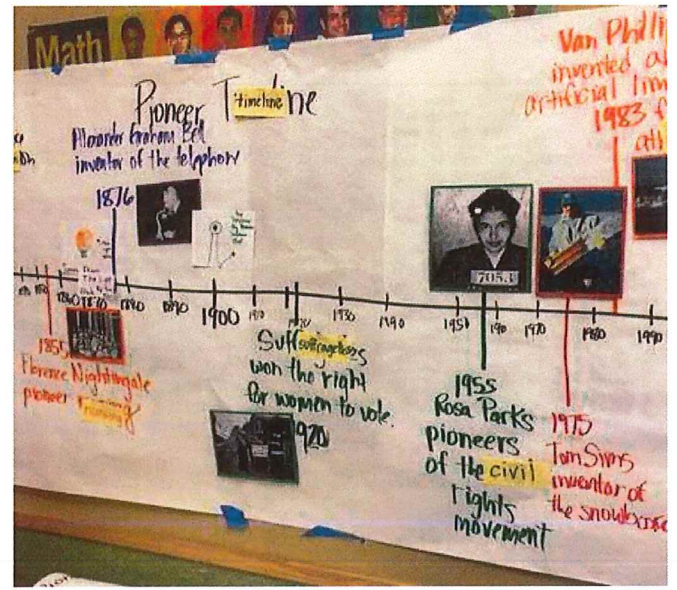
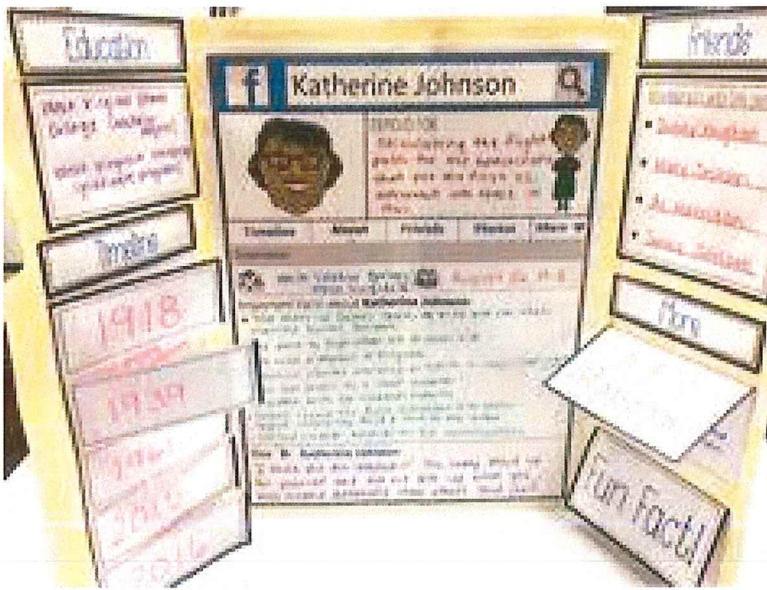
Create a three dimensional representation of the book. The detailed diorama must depict an important scene from the book. you must turn in a typed paragraph describing he scene. Be sure to include an explanation as to why you chose this scene. Please include your name on the paper and on the Diorama. **Do not attach the paragraph to the project.** See examples on the next page.

3. A Movie Poster - Coming soon to a theater near you!

Create a movie poster for your book. Be sure to view a variety of movie posters prior to creating your poster. You need to introduce your book and entice the viewer to read it! Use only copyright friendly images if you are printing from the internet. This is a project, so be sure to present a neat and clean poster. You can present your project on a large poster board, or you can create a digital poster using Publisher, Word, or another format of your choosing. See examples on the next page.

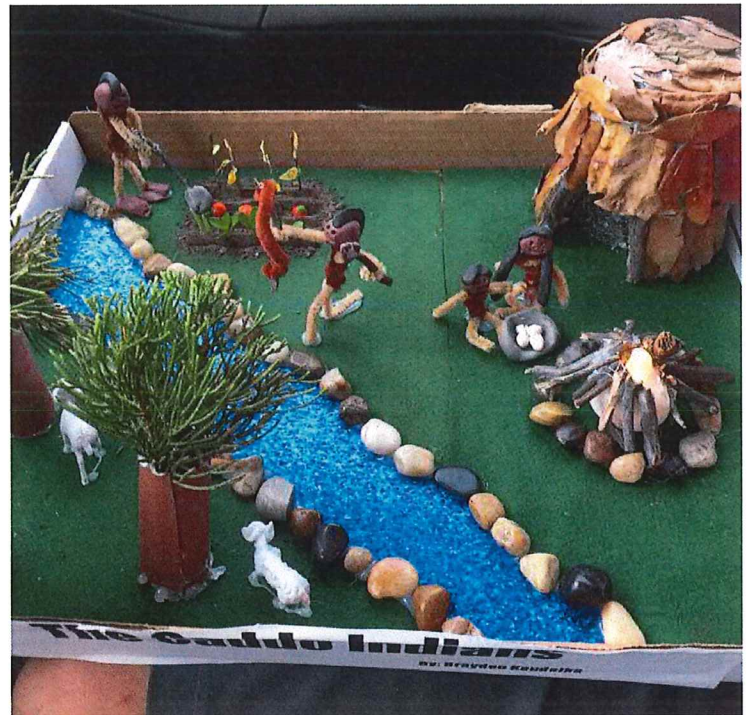
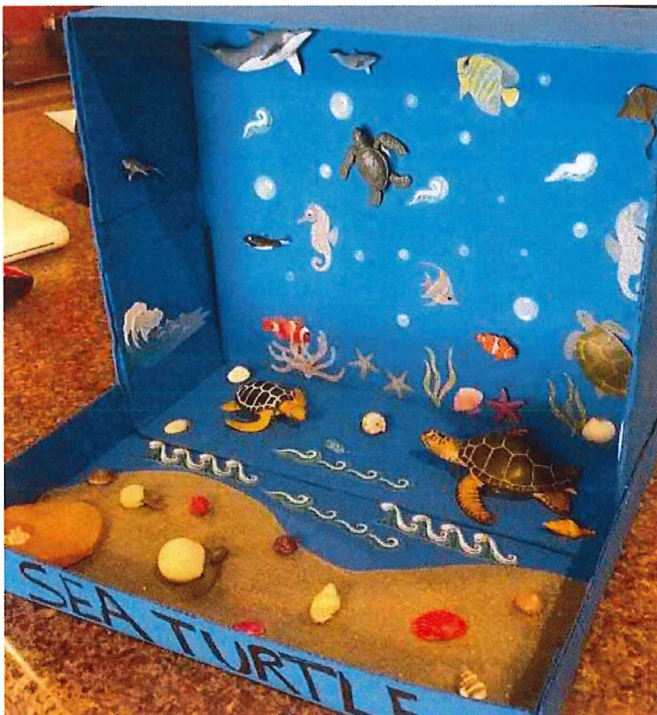
Be creative and have fun with your project!
Your project is due to Mrs. Waller by Friday, August 23rd.

Timeline Examples



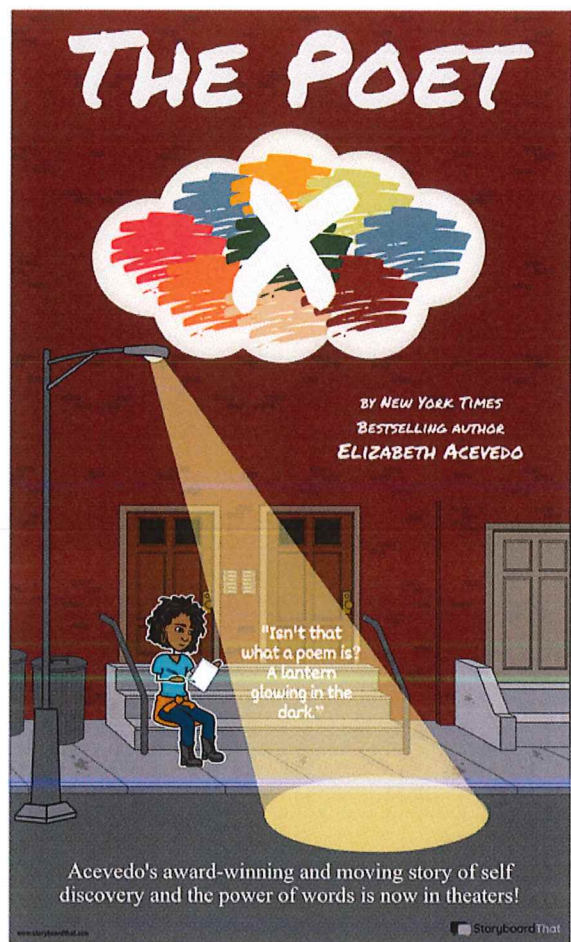
This is a good example of a timeline. The introduction/descriptions of the characters are on the back of the timeline. You may have more major events on your timeline.

Diorama Examples



Please be sure your work is neat and thorough. This is a project, so your work should be formal.

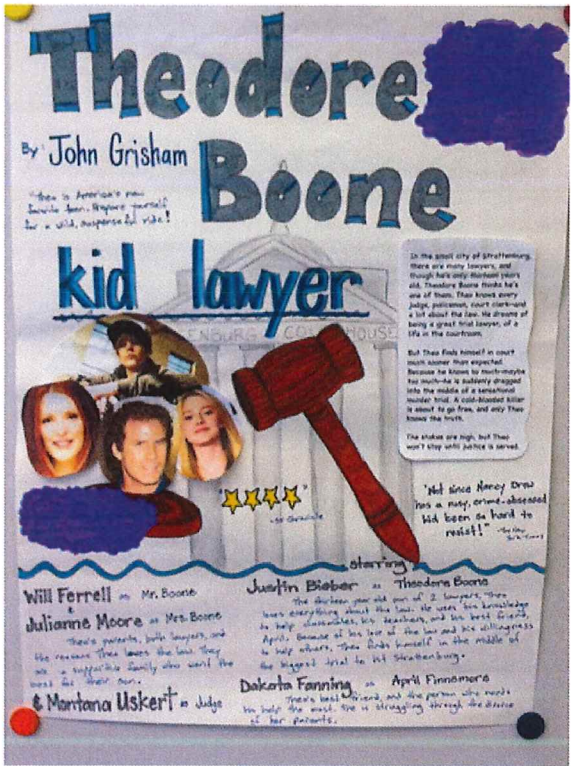
Movie Poster Examples



Create your own at Storyboard That

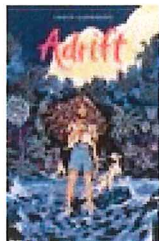


Please be sure your work is neat and thorough. This is a project, so your work should be formal.





Sunshine State Young Readers Award Books 2024-2025 List for Grades 6-8



Adrift by Tanya Guerrero

Ever since her father was lost at sea, Sophia has been moping around Aqualand, the marine theme park her dad and uncle created. But Sophia's world is turned upside down when an "aquanaut" breaks into the park's research lab.

To her amazement, Sophia discovers that the aquanaut is not what it seems -- inside lives a band of four goofy sea creatures! And when they all realize that Aqualand has evolved into something much darker than Sophia's dad had envisioned, Sophia is determined to help the aquanaut crew free the park's captive marine life before it's too late.



Fake: A thrillingly paced, timely novel about identity and our digital lives by Ele Fountain

Imagine a world where your only friends are virtual, and big tech companies control access to food, healthcare and leisure. This is Jess's world. But when she turns fourteen, Jess can go to school with other children for the first time. Most of them hate the 'real' world, but Jess begins to question whether the digital world is 'perfect' after all. Back home, her sister Chloe's life-saving medication is getting ever more expensive. Determined to help, Jess risks everything by using skills forbidden in the cyber-world, only to stumble on something explosive. Something that will turn her whole world upside down.

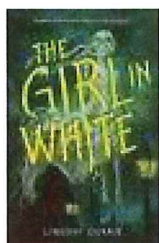
It's up to Jess to figure out exactly what is real, and what is fake - Chloe's survival depends on it.



Falling Short by Ernesto Cisneros

Isaac and Marco already know sixth grade is going to change their lives. But it won't change things at home—not without each other's help. This year, star basketball player Isaac plans on finally keeping up with his schoolwork. Better grades will surely stop Isaac's parents from arguing all the time. Meanwhile, straight-A Marco vows on finally winning his father's approval by earning a spot on the school's basketball team.

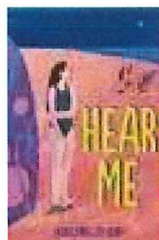
But will their friendship and support for each other be enough to keep the two boys from falling short?



The Girl in White by Lindsay Currie

Mallory hasn't quite adapted to life in her new town of Eastport yet. Maybe it's because everyone is obsessed with keeping the town's reputation as the most cursed town in the US. And thanks to the nightmares she's had since arriving, Mallory hardly sleeps. Combined with the unsettling sensation of being watched, she's quickly becoming convinced there's more to her town. Something darker.

When Mallory has a terrifying encounter with the same old woman from her dreams, she knows she has to do something—but what? With Eastport gearing up to celebrate the anniversary of their first recorded legend Mallory is forced to investigate the one legend she's always secretly been afraid of .



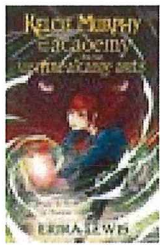
Hear Me by Kerry O'Malley Cerra

It's been a year since her diagnosis, and Rayne's hearing continues to decline, even with aids. It's a struggle to maintain friendships and keep up in school, surfing is now a wipeout, and she can't understand her favorite singer's lyrics. But worst of all, Rayne's parents are pushing for her to get cochlear implants, a surgery Rayne's not convinced is worth the risks and challenges. Rayne begs her parents to consider other options, but they're not budging. With the surgery looming, Rayne sets off on a bus journey that forces her to face her own assumptions about what her hearing loss means and what kind of life she could have. With the help of some new friends, Rayne realizes that even though her ears may be broken, she is not.

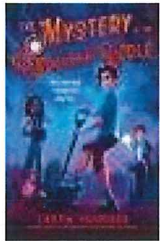


How to Stay Invisible by Maggie C. Rudd

Twelve-year-old Raymond Hurley has never had a place to call home. His free-wheeling parents move their family from town to town, and he's living in a trailer in a brand-new state when one day, they just up and abandon him. All alone with nothing but a duffle bag full of clothes and his reliable pup, Rosie, he is forced to live in the woods behind his middle school. With a fishing pole in hand and survival guide checked out from the library, Raymond scrapes by and doesn't tell anyone his secret. This isn't the first time he's had to rely on himself. However, when winter days get colder and finding food becomes nearly impossible, Raymond makes new friends, including a curious coyote, in unexpected places. Soon, he learns that his fate will depend not just on his wilderness skills, but on the people and animals he chooses to trust.



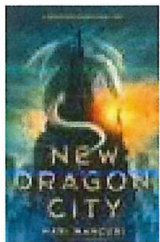
Kelcie Murphy and the Academy for the Unbreakable Arts (The Academy for the Unbreakable Arts, 1) by Erika Lewis
The Otherworld is at war. The Academy for the Unbreakable Arts trains warriors. And Kelcie Murphy—a foster child raised in the human world—is dying to attend. A place at AUA means meeting Scáthach, the legendary trainer of Celtic heroes. It means learning to fight with a sword. It means harnessing her hidden powers and—most importantly—finding out who her parents are, and why they abandoned her in Boston Harbor eight years ago. When Kelcie tests into the school, she learns that she's a Saiga, one of the most ancient beings in the Otherworld. Secretive, shunned, and possessed of imposing elemental powers, the Saiga are also kin to the Otherworld's most infamous traitor. But Kelcie is a survivor, and she'll do whatever it takes to find her parents and her place in their world. Even if that means making a few enemies.



The Mystery of the Radcliffe Riddle by Taryn Souders

When Grady and his dad learn that the town oddball, Eudora "Kooky" Klinch left something for them in her will, they can only imagine what it might be. When it turns out it's an old scrap of 300-year-old tapestry, they are bitterly disappointed. But the cloth comes with a note saying, "This is no ordinary piece of needlework. It's a treasure map. Riddles and Clues. To the victor go the riches." Grady's dad dismisses it, but Grady thinks this could be the chance of a lifetime. With the help of his friends Thad, Clemmie, and the town dog Ophelia, Grady is determined to crack the clues and find the treasure.

But when someone tries to break into Grady's house one night, and then the local antiques expert who examined the tapestry is found unconscious, Grady realizes that he's not the only one who knows about the treasure map. There's more at risk than he bargained for, and solving this mystery just got a lot more dangerous.



New Dragon City by Mari Mancusi

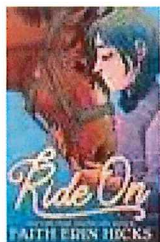
No one predicted the dragon apocalypse. The dragons came suddenly and decimated the world as we knew it, including New York City. Now, three years later, Noah, his hardcore survivalist father, and a ragtag group of survivors are barely scraping by in this new reality. Kids scavenge not only for materials in abandoned homes but also for leftover books at the library. Adults spend their time establishing a make-shift society and defending their shelter... with any means available. At least for the few months the dragons are hibernating, until it's no longer safe aboveground. The division runs deeper than scales versus skin because trying to follow his heart might just cost Noah his family too. If Noah and his father can't see eye to eye, can he really get humans and dragons to?



Over and Out by Jenni L. Walsh

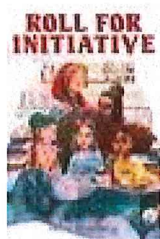
Sophie has spent her entire life behind the Berlin Wall, guarded by land mines, towers, and attack dogs. A science lover, Sophie dreams of becoming an inventor... but that's unlikely in East Berlin, where the Stasi, the secret police, are always watching.

Though she tries to avoid their notice, when her beloved neighbor is arrested, Sophie is called to her principal's office. There, a young Stasi officer asks Sophie if she'll spy on her neighbor after she is released. Sophie doesn't want to agree, but in reality has no choice: The Stasi threaten to bring her mother, who has a disability from post-polio syndrome, to an institution if Sophie does not comply. Sophie is backed into a corner, until she finds out, for the first time, that she has family on the other side of the Wall, in the West. This could be what she needs to attempt an escape with her mother to freedom -- if she can invent her way out.



Ride On by Faith Erin Hicks

Victoria has always loved horses. But riding in competitions is high stakes, high stress, and shockingly expensive. And even though Victoria's best friend Taylor loves competing, Victoria has lost her taste for it. After a heartbreaking fight with Taylor, Victoria needs a new start—at a new stables. A place where she doesn't have to worry about anything other than riding. No competition, no drama, no friends. Just horses.



Roll for Initiative by Jaime Formato

Riley Henderson has never taken a bus to school in her entire life. Or made an afterschool snack, or finished her homework on her own, or—ewww—done her own laundry. That's what her older brother Devin was for. With the help of her new D&D friends, Riley discovers that not only can she function without Devin, she kind of likes it. She figures out that bus thing, totes the clothes down to the laundry room and sets up her D&D campaigns right there on the slightly suspect folding table, makes her own snacks and dinner—the whole deal. But when Devin runs into trouble with his program and returns home, it's pretty clear, even to Riley, that since he can't navigate his own life, he's going to live Riley's for her. Now she has to help Devin go back to college and prove to her mom that she can take care of herself . . . all before the upcoming Winter-Con.



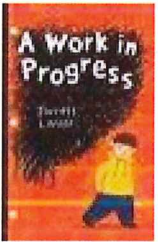
The Ruby Code by Jessica Khoury

Bullied at school and home, Ash finds respite from his unhappy life in virtual reality games. One night, he spends his meager savings to help a stranger, who thanks him with a copy of an old fantasy game called *The Glass Realm*. While exploring the game, Ash meets a seemingly humble shopkeeper named Ruby. But from the start, Ruby seems different than the other townsfolk—especially when she and Ash stumble across an in-game quest designed not for the player, but for Ruby to solve. When Ruby begins developing powerful abilities that can rewrite the very code of the game, they realize she is far more than a pre-programmed side character.



The Superteacher Project by Gordon Korman

Oliver Zahn, spitball champion and self-declared rule-wrecker of Brightling Middle School, is not a fan of his new homeroom teacher, Mr. Aidact. The guy is sort of stiff, never cracks a smile, and refers to them as "pupils." The worst part is he catches Oliver before he can pull any of his signature pranks! It's time for Oliver and his best friend, Nathan, to show the new teacher who's boss. But as the weeks go by, they start to realize that Mr. Aidact is not what they expected. He has an uncanny ability to remember song lyrics or trivia. When the girls' field hockey team needs a new coach, he suddenly turns out to be an expert. He never complains when other teachers unload work on him—even when it's lunchroom duty and overseeing detention. Against all odds, Mr. Aidact starts to become the most popular teacher at Brightling.



A Work in Progress by Jarrett Lerner

Will is the only round kid in a school full of thin ones. So he hides...in baggy jeans and oversized hoodies, in the back row during class, and anywhere but the cafeteria during lunch. But shame isn't the only feeling that dominates Will's life. He's also got a crush on a girl named Jules who he knows he doesn't have a chance with, because of his size—but he can't help wondering what if?

Will's best shot at attracting Jules's attention is by slaying the Will Monster inside him by changing his eating habits and getting more exercise. But the results are either frustratingly slow or infuriatingly unsuccessful, and Will's shame begins to morph into self-loathing.

Available at www.itzbooks.com

Meet the teacher



Mrs Rafferty

Hello Madison STEM students!

I am Mrs. Rafferty, your Social Studies teacher and STEM Team leader for the 2024/2025 school year.

This will be my 32nd year teaching in Hillsborough County and my 9th year in the STEM program. I grew up in south Tampa and attended Monroe JH and Robinson HS. I have a bachelor's degree in social science education from the University of South Florida.

My master's degree is in teaching and learning from Nova Southeastern University.

I love planning fieldtrips and taking students on adventures outside the classroom!

A Fun Fact about me is my 5th great grandfather fought with George Washington in the Revolutionary War!

Name _____ Date _____ period _____

Directions: Research your famous person in U.S. History. Write an important characteristic of that person that begins with the letter in each box. You can write one word or short statements.

ABC Character trait graphic organizer

Name of Famous Person _____

A	G	M	S
B	H	N	T
C	I	O	U
D	J	P	V
E	K	Q	W
F	L	R	X Y Z

U.S. History – Ms. Rafferty
6th Grade Summer Assignment
Pringles Can Person in History

Directions: You are to create an image of a famous person in U.S. history using an empty Pringles potato chip can.

Choose one person/character from the column in which the **first letter of your last name begins**. Research your person/character and complete the ABC graphic organizer. Then, create an image of your person on the outside of the Pringles can. Be creative and use a variety of colors and materials.

A, B, C, D, E, F	G, H, I, J, K, L	M, N, O, P, Q, R, S	T, U, V, W, X, Y, Z
Prince Henry the Navigator Bartholomeu Dias Vasco da Gama Pedro Alvares Cabral John Cabot Martin Frobisher Giovanni da Verrazano Jacques Cartier Henry Hudson Ferdinand Magellan Hernan Cortes Montezuma Francisco Pizarro Hernando de Soto Francisco Vasquez de Coronado Bartolome de Las Casas Samuel de Champlain	Humphrey Gilbert Sir Walter Raleigh Virginia Dare John Rolfe William Bradford Squanot Samoset John Winthrop Roger Williams John Wheelwright Metacomet Peter Stuyvesant Duke of York William Penn Nathaniel Bacon Eliza Lucas James Oglethorpe	Rene-Robert Cavellier, Sieur de La Salle Junipero Serra Olaudah Equiano Jonathan Edwards George Whitefield John Peter Zenger General Edward Braddock William Pitt Chief Pontiac George Grenville Patrick Henry Samuel Adams Crispus Attucks Paul Revere John Jay William Dawes	Richard Henry Lee Molly Pitcher Nathan Hale Gen. Horatio Gates Bernardo de Galvez Friedrich von Steuben Marquis de Lafayette Judith Sargeant Murray Abigail Adams Francis marion Nathanael Greene Comte de Rochambeau John Jay Richard Allen Absalom Jones Roger Sherman Mercy Otis Warren

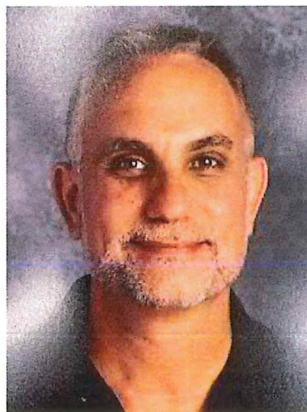
Assignment is worth 25 points. 12 points for ABC graphic organizer and 13 points for a well-crafted Pringles can character.

Due date:
Friday, August
23, 2024



A stylized illustration of a satellite with a large dish and solar panels in the top left, and a purple planet with a ring in the top right, both set against a dark blue background.

Meet the teacher



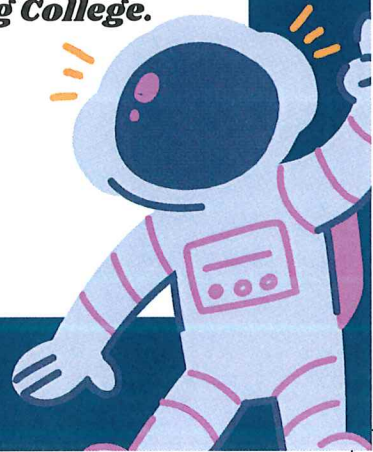
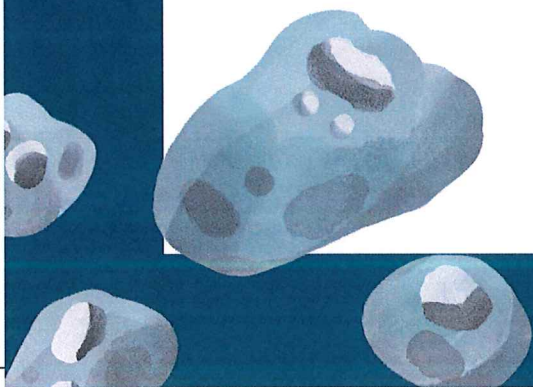
Hello Madison STEM students!
I am Mr. Daniele, your Math Teacher and the Math Subject Area Leader for Madison Middle School.

This will be my 28th year teaching Math in Hillsborough County. I have been here at Madison Middle School since 1999. I have been the Math teacher for the STEM team since its inception.

I hold a Bachelor's and Master's degree from the University of Florida and I earned my Teacher Certification from the University of South Florida.

In 2016, I was Madison's Teacher of the Year.

Fun Fact: I teach Economics at Saint Petersburg College.



Madison STEM Summer Math Assignments.

Use the link below or the class code for your Fall 2024 grade level class.
Complete the assignments and you will be ready for Mr. Daniele's Math class.

Assignments should be completed by August 9. A summer assignment grade will be entered as your first grade of the first quarter.

6th Grade STEM Math Summer 2024 Assignment

<https://www.khanacademy.org/join/3JJ9WJ7Z>

Students visit **www.khanacademy.org/join** and enter your class code **3JJ9WJ7Z**

MR. GRAY

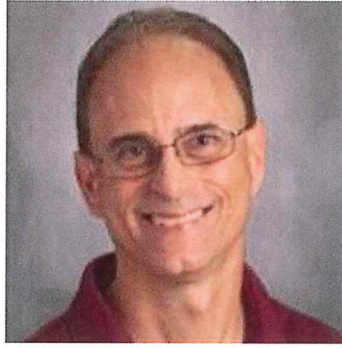


STEM SCIENCE

**FUN FACT: I AM AN
INTERNATIONAL
SUPREME COUNCILOR
FOR MY FRATERNITY,
ZETA BETA TAU!!**



Hello! My name is Mr. Gray, and I am thrilled for my next adventure teaching science in the Madison STEM program! I earned a Bachelor of Education in Science from Florida State University and am certified in Middle Grades Science, Technology Education, and K-12 Gifted. I come to Madison with 27 years of experience in the classroom. I've taught science most of my career; most recently, I taught robotics and technology at Monroe Middle School. I also have coached volleyball and track as well. I am excited to be back in the science world.



Mr. Smith

Greetings from Madison STEM!

I am Mr. Smith, your Aerospace Technology teacher. This upcoming year will be my 31st year teaching and my 2nd year in Madison's STEM program.

I'm originally from North Florida and graduated from the University of Florida (Go Gators! 😊). I have a range of certifications in the areas of science, gifted, English, exceptional student education, and elementary education. I love everything technology-related but particularly enjoy flying quads, building computers, rocketry, flight simulation, animation, and computer gaming.

I look forward to meeting and getting to know all of you!



STEM Choice Board
6th Grade Science and Technology
Summer Assignment

**Welcome to Science and Technology
in the STEM Academy!**

Over the summer, choose four squares in a row on the STEM Choice Board (horizontal, vertical, or diagonal) and complete the activities!

You should keep a written record or log of your activities, as well as pictures and/or videos of your progress along the way. Proof of your activity must be submitted via Canvas the first week of school. Please be prepared to turn in your written log.

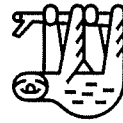
STEM CHOICE BOARD



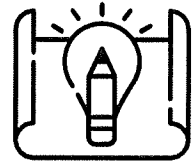
Design and conduct an experiment to test the question: What conditions will best prevent mold growth on a slice of bread?



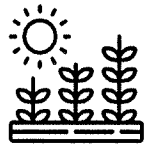
Imagine that Earth has run out of room, but the population continues to increase. Choose a location on Earth or in space that is currently uninhabited. Explain the steps you would take to make it safe for people to live in that environment.



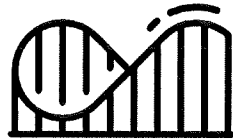
Design a zoo exhibit for a specific species of animal, or two species that can live together peacefully. Make sure the exhibit meets their needs for environment, food, sleep, and brain stimulation.



Design an original product, service, invention, or piece of technology that would solve a major problem in your town, state, or country.



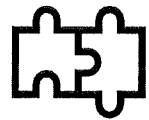
Create a realistic plan for a garden that you could grow in your backyard, balcony, or in pots. Research plants that grow well together and will thrive in your lighting conditions.



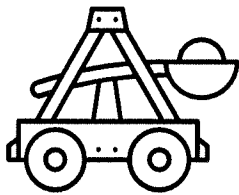
Build a roller coaster from household objects. Use a marble, toy car, or small ball for the roller coaster car.



Design and conduct an experiment to test the question: What factors affect the strength of a magnet?



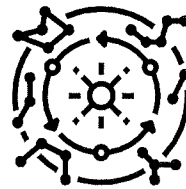
Look up "stories with holes" or "lateral thinking puzzles." Find one you like. Get a friend or family member to ask Yes or No questions until they figure it out. Then, switch places.



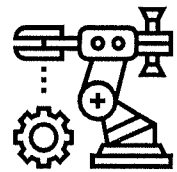
Use household objects to create a catapult with the goal of launching a coin as far as possible.



Design a product that would make life easier for a person with total blindness. Create a prototype and test it out.



Go out at night and watch the sky. Use charts, apps, or internet resources to identify as many stars, planets, and constellations as you can.



Create a Rube Goldberg machine: an unnecessarily complex series of machines that is designed to accomplish a simple task.



Write very specific step-by-step instructions for a task like making a sandwich or drawing a picture. Give them to another person to follow - exactly as written! Then, switch places.



Research at least three natural disasters that could occur in your area. Make emergency preparedness plans for each disaster.



Design a paper airplane to travel as far as possible. Consider different folds, different sizes, and different types of paper. Perform flight trials until you're confident you have the best design.



Imagine that you have 10 volunteers for 8 hours. Plan a volunteering event that will have the largest positive environmental impact. Back up your claims with scientific evidence.