



## Week: January 10<sup>th</sup> – 14<sup>th</sup> Monday's Activities

Theme: Taking on Challenges

### Story of the Week

[Marvelous Cornelius](https://bit.ly/38ms7mE) (<https://bit.ly/38ms7mE>)

"In New Orleans, there lived a man who saw the streets as his calling, and he swept them clean. He danced up one avenue and down another and everyone danced along. When Hurricane Katrina hit, the devastation nearly caused him to lose his spirit."

### Let's Explore Literacy

Using what you know about Marvelous Cornelius from the story, create a schedule that Cornelius might use to help him stay organized. Make sure to include more than just his work – consider what time Cornelius wakes up and goes to bed, when (and what) he eats, the hobbies and activities he enjoys over the course of the day, and other elements that take up his time.

Organize the schedule in half-hour or hour long blocks from when Cornelius wakes until he goes to bed. Get creative!

### Let's Explore Math

Logic Puzzle – Kart Racers

Use the clues below to figure out In which place each driver finished.

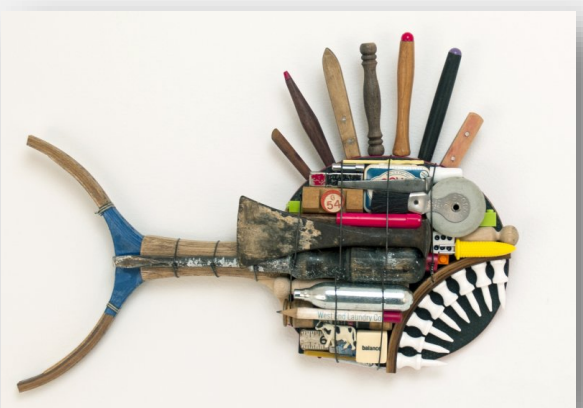
1. The driver who finished first is older than Phineas.
2. Marta is 13 years old.
3. Phineas finished in 3<sup>rd</sup> place.
4. Amira is one year younger than than the driver who finished in third.

		Ages				Positions			
		13	14	15	16	1st	2nd	3rd	4th
Names	Amira								
	Sam								
	Phineas								
	Marta								
Positions	1 <sup>st</sup>								
	2 <sup>nd</sup>								
	3 <sup>rd</sup>								
	4 <sup>th</sup>								

### Let's Explore Art and Movement

Consider the "found object" art piece to the right. Because it is created using items we don't always associate with more famous artwork, it can be somewhat controversial.

Using objects available to you, try to create a non-permanent piece of art. If you are unable to access items to make something, create a drawing that makes use of many objects to create a single shape or item (for example, draw a rabbit by combining smaller drawings).





## Week: January 10<sup>th</sup> – 14<sup>th</sup> Tuesday's Activities

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"In New Orleans, there lived a man who saw the streets as his calling, and he swept them clean. He danced up one avenue and down another and everyone danced along. When Hurricane Katrina hit, the devastation nearly caused him to lose his spirit."

#### Let's Explore Literacy

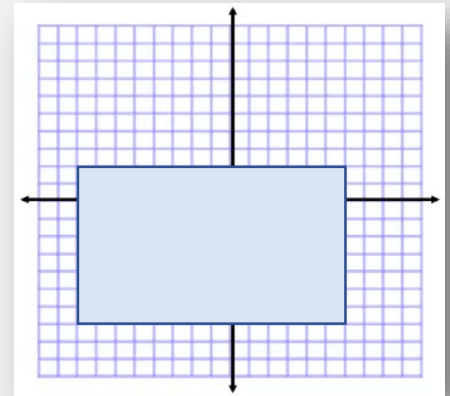
In the author's note at the end of the story, Phil Bidner mentions the reporter, Katy Reckdahl, who writes articles about a variety of topics at the Times-Picayune newspaper in New Orleans.

Write an article about Marvelous Cornelius, using details from the story to help you make the article interesting. Feel free to embellish (or make up) details in order to better tell Cornelius' story.

#### Let's Explore Math

Look at the rectangle on the Cartesian plane.

1. Determine the original co-ordinates for each of the four vertices. Be careful with negatives!
2. Rotate the rectangle  $90^\circ$  to the right around the point (0,0).
3. What are the new co-ordinates?
4. What might the co-ordinates be if the rotation was only  $45^\circ$  ?



#### Let's Explore Art and Movement

Using the schedule created earlier for Marvelous Cornelius, create a series of movements that would represent each element of his day. String these movements together to create a sequence of moves that would take Cornelius from waking up to going to bed.

For example, if Cornelius has coffee and beignets (donuts) for breakfast, his moves might include grinding beans, filling the coffee machine, reaching up to a cupboard for a cup, etc.

You may need to record each move as you create it in the sequence – there might be tens (or even hundreds) of smaller moves depending on how specific you want to be. Once the sequence is complete, try to act it out (possibly to music), and see how it feels. Good luck!



## Week: January 10<sup>th</sup> – 14<sup>th</sup> Wednesday's Activities

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#### Let's Explore Literacy

Your dream may be to go to camp, to be a star on the basketball court, to be class president, or to go to college someday. Whatever it is, hard work and luck can help you fulfill that dream. But along the way, you may encounter obstacles that block your progress. QUICKWRITE: What obstacles might you encounter while working to make your dream come true? In your journal, write one or two ways to overcome each obstacle.

#### Let's Explore Math

Rubik's cubes are challenging! Picture a Rubik's Cube. Now drop it into paint so that it is completely covered. When the paint is dry, imagine smashing it on the floor and it breaking it apart into the smaller cubes.  
How many of the cubes have one face covered in paint? How many cubes have two faces covered in paint?  
How many have three faces covered in paint? How many have zero faces covered in paint?  
How could you predict the above for any size Rubik's cube?  
What about a 4 x 4 x 4? 5 x 5 x 5? 6 x 6 x 6? N x N x N?

#### Let's Explore Art and Movement

Have fun exploring art and math with the Mobius strip. A mobius strip can represent a journey that one takes as they progress through a challenge. Colour both sides of a 5 cm wide x 30 cm long strip of paper. Use techniques such as patterning, blending, shading. Try combining with other drawing techniques such as hatching, stippling and layering. Follow the directions on the video below to create your own Mobius strip.

<https://bit.ly/3yyb9fz>

What did you observe? What happens to the flow of patterns and colours? Where do they begin and end? Have you seen something like this before? Where? How can this be incorporated into the arts? Visual art, sculpture, fashion?



## Week: January 10<sup>th</sup> – 14<sup>th</sup> Thursday's Activities

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#### Let's Explore Literacy

Word Work:

1. Write a definition for the following words:

agile  
dismay  
falsify  
despair  
eavesdrop  
vile

2. Write a story about a character who successfully overcomes a challenge. Be sure to use each word from your vocabulary list above.

#### Let's Explore Math

Solve the questions below. Read carefully because they are EXTRA challenging and make a table of values if necessary.

- (1) A bat and a ball cost \$1.10 in total. The bat costs \$1.00 more than the ball. How much does the ball cost?
- (2) If it takes 5 machines 5 minutes to make 5 widgets, how long would it take 100 machines to make 100 widgets?
- (3) In a lake, there is a patch of lily pads. Every day, the patch doubles in size. If it takes 48 days for the patch to cover the entire lake, how long would it take for the patch to cover half of the lake?

#### Let's Explore Art and Movement

Towel Jump Workout Challenge!

Get a towel and fold it lengthwise to create a long, skinny rectangle. Place the towel on the ground. This will be used to jump over and balance on with the activities below. Feel free to change or modify the exercises below if they don't suit you or your space. Ask a sibling, friend, or caregiver to join you –sometimes exercising with a partner is easier (and more fun). Remember to drink water!

Repeat each activity 12 times:

1. Jog on the spot on the right side of the towel for 10 seconds. Jump over the towel and jog on the left side of the towel for another 10 seconds.

2. Place one foot on either side of the towel. Jump up and cross feet over. Repeat crossing back and forth without touching the towel!!

3. Stand on one foot and jump over the towel landing on the same foot. Repeat with the opposite foot.



## Week: January 10<sup>th</sup> – 14<sup>th</sup> Friday's Activities

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#### Let's Explore Literacy

When we overcome challenges, we have obstacles but we also have help. Take the point of view of the character from the story you wrote yesterday and write a thank you letter to everyone who helped them on their journey to success.

#### Let's Explore Math

1. Using the numbers 1-9 in order, place different operations between each number to try and make the largest possible number. Check with a family member or friend to see if they can make a larger number.

Eg.  $1 + 2 - 3 + 4 + 5 \times 6 \times 7 \times 8 \times 9 =$

2. Then using the same numbers in order, place different operations between each number to try and make the smallest number possible.

3. Lastly, using the same numbers in order, place different operations between each number to find the number exactly in the middle of the numbers you found in question 1 and 2.

#### Let's Explore Art and Movement

Scene starters

Select one of the scenarios below.

Choose a role and act out the scenes with siblings, friends or family. Try different combinations of the scene starters or create your own!

Roles	Scene	Scene starters
Family members, classmates, real estate agent, sports star, famous singer, celebrity, crossing guard	<ul style="list-style-type: none"> <li>Classroom</li> <li>Soccer field</li> <li>Mansion</li> <li>Mountains</li> </ul>	<ul style="list-style-type: none"> <li>Learning to drive</li> <li>Buying a house</li> <li>Seeing a ufo</li> <li>Playing a sport on tv</li> </ul>