

Grades 4-5

Xavier Riddle and the Secret Museum **“We are the Wright Brothers / We are the Bronte Sisters”**

Inspired by the best-selling kids book series, Ordinary People Change the World, by New York Times bestselling author Brad Meltzer and illustrator Christopher Eliopoulos, XAVIER RIDDLE AND THE SECRET MUSEUM follows the adventures of Xavier, Yadina and Brad as they tackle everyday problems by doing something extraordinary: traveling back in time to learn from real-life inspirational figures like Marie Curie, Harriet Tubman and Jackie Robinson when they were kids. Each adventure will help young viewers make the connection between the skills that made these historical figures heroes and those same qualities within themselves, helping them discover that they, too, can change the world.

After watching this episode, choose from the following questions and/or tasks to extend your learning

Question Box 1

- What is the central message in this program? Explain?
- What are the program’s supporting claims that support the central message?
- What is the author trying to say through the TV program? What from the text makes you believe this?
- What evidence does the TV show director give to support his or her central idea?
- What is this program “saying”? Cite several pieces of textual evidence to support your analysis.
- What did you learn about the Bronte Sisters?
- What stories are the Bronte Sisters famous for writing?
- Who are the Wright Brothers? What are they famous for?

Question Box 2

- If someone else were looking at this program, what might they learn?
- What is one thing I would like to add to this topic?
- What would you change about this program?
- If a part 2 of this program was created, what you like them to focus on?
- What would you like to research for extra credit? Why?
- What might you want next year's teacher to know about this program?
- When do you like to use your imagination?
- Have you ever been to a museum? What did you see and what was your favorite part

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of the museum?

- If you could travel back in time, who or what would you like to visit?

Box 3 (Tasks)

- Create a storyboard of the show
- Research more about the Wright Brothers. What did you learn?
- Research more about the Bronte Sisters What did you find?
- Man has been fascinated by flight for centuries. The Wright Brothers were not the first to attempt to fly. Read about some of the other flying machines that came before:
<https://www.parcast.com/blog/2018/2/6/11-flying-machines-that-came-before-the-wright-brothers>

Box 4 (Enrichment)

- It's okay to make mistakes. It's how we learn. Talk about a time that you learned from making mistakes.
- There are many ways to come up with different story ideas. How do you come up with your story ideas? One way to come up with story ideas is to collect pictures as inspiration. Collect pictures online and put them together - people, places, events, etc...or cut pictures out of magazines to use. Keep them in a binder, folder or box. When you want to write a story or poem, choose some pictures to inspire you! Try it!
- With your parents' permission watch the video about air flow. Collect the items and see if you can duplicate the science experiment.
<https://www.youtube.com/watch?v=fsFo1XVr6u8> Here you will find some additional information and directions on how to complete the experiment.
<https://www.sciencekids.co.nz/lessonplans/flight/flightintroduction.html>
- In this activity you will learn about the Bernoulli principle as you make a paper airplane and a paper glider with round wings. Document your results.
<https://www.sciencekids.co.nz/lessonplans/flight/paperairplane.html>

Box 5 (Extend/Real-Life)

- People can travel across the world very quickly now. Research how long it would take to fly around the world. How long would it take if you had a dedicated aircraft? How long would it take using commercial aircraft?
- Take a virtual fieldtrip of an aircraft cockpit. <https://www.museumofflight.org/Explore-The-Museum/Virtual-Museum-Online>