

Honors Physics

Xavier Riddle Curriculum Challenge

Introduction

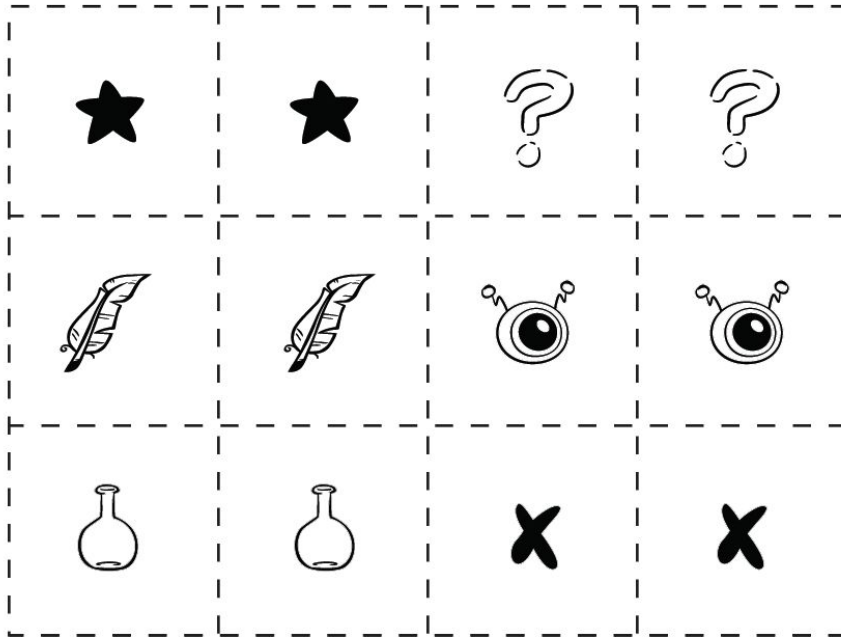
Xavier Riddle and the Secret Museum is a children's television show that premiered on November 12, 2019, on [PBS Kids](#).

The series involves Xavier Riddle with his sister Yadina Riddle and their friend Brad. In each episode, a problem or difficulty is encountered. They go to the Secret Museum, to [time travel](#) to the past, to observe, interact, and learn from the historical heroes, who are depicted in the series as children. They then return to the present, and use their experience to solve the problem.

Sample Activity



Issac Newton Memory Game



- Ask an adult to help cut out the squares
- Color in the icons, then shuffle facedown
- Arrange pieces in 4x3 square like above
- Flip one card at a time to match the icons!



Find more games and activities at pbskids.org/xavier

Produced by:



Sponsored by:



Based on Brad Meltzer and Christopher Eliopoulos' best-selling kids book series



Developing Your Activity

1. Remember that Xavier Riddle's target audience is pre-school and young children.
2. You want to develop a more challenging activity. Use the model in your email as a guide.
3. Create a worksheet that includes the following:
 - A. Background information
 - B. Vocabulary
 - C. Activity
 - D. Conclusion

3. It is probably not a good idea to have students actually collect data. However, as noted in the example, you can give students observations and data and have them make conclusions about that data.
4. Use appropriate images to "support the learning."
5. As a class, you will vote for best activity, most creative and best application of physics.
6. Due Date: **November 24.**