



ROSIE REVERE, ENGINEER VIDEO DISCUSSION

Snakes! at the Midwest Museum of Natural Hiss-tory

1. Snakes, lizards, turtles, and alligators are all reptiles! What is your favorite reptile? Why is that reptile your favorite?
2. Forests, sand, backyards, homes—snakes can live anywhere! If you could live anywhere, where would it be and why?
3. Corny is an albino corn snake, meaning that rather than being orange and brown he is white and yellow. If you could have an animal be any color you want it to, what animal would it be and what color would you make it?
4. Snakes smell with their tongues and see through vibrations! Name any other animal that use unconventional means to see, smell, feel, smell, or taste.
5. Cindy recommends studying zoology or biology to learn more about snakes. If you could learn more about any other animal, what animal would it be and what would you need to study to learn more about it?

Engineering a Rosie Revere Snake-Repelling Hat with Pettee Guerrero

1. Pettee has some gears, a fan, a toy doll, tape, screwdrivers, bolts & nuts, spray cheese, silly string, and safety glasses to build her snake-repelling hat. If you had all these materials what would you build out of them? Draw it on the back of this paper!
2. Engineering requires a lot of teamwork. What is your favorite teamwork activity? Why?
3. The engineers had to correct a lot of errors in the snake-repelling hat. What was a time you had to correct a mistake you made? What was the final solution?
4. Do you think Rosie's snake-repelling hat will work? Why or why not?
5. Now that you know the engineering design process, apply the process to another scenario and come up with your own invention.

Building Snake-Repelling Hats at The DuPage Children's Museum!

1. In *Rosie Revere, Engineer*, Rosie uses a hat to keep snakes away. What are some other ways people can keep snakes away?
2. What was your favorite hat from the video? Why?
3. If you could build a snake-repelling hat, what would it look like? Would it have any special features? Draw it on the back of this paper!

Engineering & Discovery with Author Andrea Beaty

1. Despite the fact that Rosie is shy, she is full of many great ideas! When was a time you had a great idea in class? Explain your idea.
2. Andrea Beaty combined her love of science with her love of writing. What are two of your favorite things to do and how could you combine them?
3. Rosie builds a machine using one of her favorite foods, spray cheese! What is one of your favorite foods and what could you build out of it?
4. Author Andrea Beaty explains that sometimes it is only through failure that you find what you really need to do. Think of a time when you failed. Now think of something you learned from this experience. Please write it below.
5. Throughout the video multiple kinds of scientists are named including paleontologists and engineers. If you grew up to be a scientist, what kind of scientist would you want to be? Why?

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