

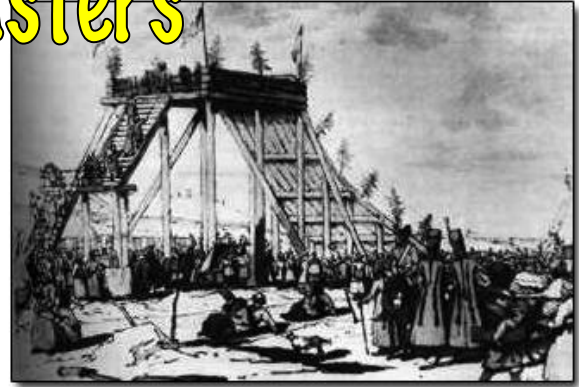
Instructor: Dr. Simpson

Grades: PK-6

RollerCoasters

OBJECTIVE: Students will create imaginative roller coasters using strips of construction paper, glue and scissors (if appropriate).

Students will learn the history of roller coasters and the great inventor of the American rollercoaster, Granville T. Woods. As a result, they will imagine their own roller coaster and create one.



OUTCOME: Students will have an imaginative paper structure that in some way illustrates their idea of a fun rollercoaster; its movements along a track and the amusement environment.

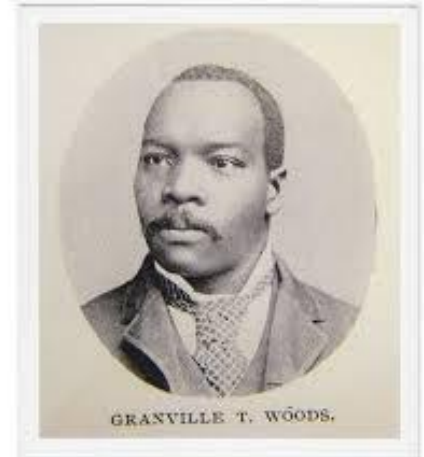
MATERIALS:

Pre-cut construction paper strips

Glue

Scissors (optional)

Solid cardboard for surface



EXTENSION OF THIS LESSON: SCIENCE

- Explore activities that introduce the concepts of an incline plane, building ramps, frictions, etc. Developing a contest and timing events is a way of exploring these ideas as well as helping students understand time and movement.
- Students may explore learning about geographical location around the world in relation to where they are.
- Travel and distance, modes of transportation through out history are areas of information that help grow students' curiosity.
- Research more information on rollercoasters; which is the highest, fastest, scariest, etc.

Information of Interest for Educators

Within the presentation, are few words mostly images. This is for the instructor/teacher to involve students with open-ended questions about their ideas regarding, for example, safety, changes in society, etc.

Students may want to do a bit of research on the engineer and inventor, Granville T. Woods.

Educators do a bit of research yourself on the rollercoaster. This is a magnificent lesson and can be extended to engineering, invention, and African American inventors. There's so much here.

This lesson is sure to be amongst the most exciting for your students.