

Famous Structures

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Curriculum Ontario Grade 5

Understanding Structures and Mechanisms - Forces Acting on Structures and Mechanisms

Learning Objective

Students will choose a famous structure to research, create and present to class

Materials

- technology (iPads, Chromebook, laptop)
- informational texts

Building Materials

Students can bring in any materials from home but have some materials available for students

- pop sickle sticks
- wooden dowels
- cardboard
- hot glue guns
- nails/screws
- paint
- paint brushes
- clay
- pipe cleaners

Lesson Introduction

Display different famous structures and discuss with students what structures they know from around the world.

- what makes these structures famous?
- why/how did these structures become famous?

Assignment

In this assignment, students will choose a famous structure to research and present to the class. Students can decide whether to make a 3-D model of the structure, draw a picture of it, do a scrapbook, or make a power point presentation. Completed projects should have facts as well as images to assist in teaching and holding your classmates attention during the presentation.

Information can be gathered through books, magazines, websites and even television/YouTube documentaries. Please include the following information:

- When was the structure built?
- How long did construction take?
- Who deigned and constructed it?
- What kinds of equipment or special methods were used?
- What materials were used and why?
- Were there any problems during construction? What were they?
- Why was the structure built?
- Where is it located?
- Extra fun facts!

There are many famous structures that can be found all over the world. Structures can include bridges, towers, statues, skyscrapers, domes, lighthouses, temples, castles and even roller coasters. Feel free to choose from the list below, or find a structure of your own;

Great Wall of China	Statue of Liberty
The Taj Mahal	Ambassador Bridge
CN Tower	The White House
Empire State Building	The Colosseum
Leaning Tower of Pisa	Sydney Opera House

Lesson pt 2

Allow students time to research different structures and check their success criteria to meet requirements.

Meet with students to check in on their research and progress. Give students a couple days to research and then construct their famous structure. While researching students may want to build a presentation in Google Slides or Power Point, students can also create a display board for presenting their findings to the class.

After students have constructed their famous structure, additional time may be needed to complete and practice their presentation.

Famous Structures Research Project

Name : _____

Famous Structure: _____

Science Structures

When was the structure built?	
How long did construction take?	
Who deigned and constructed it?	
Equipment or special methods were used?	
What materials were used and why?	
Problems during construction? What were they?	
Why was the structure built?	
Where is it located?	
Extra fun facts!	
Source Location - Credible source	
Oral Communication - Eye contact - Voice - Body Language	
Presentation - Created a presentation to demonstrate knowledge	

Comments/Grade:

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Figure 1: Evaluation list for student/teacher