

Title: Comparing and Contrasting

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Grade level: 2

Subject and Standards:

Reading

- 2RL 2 Recount stories, including fables and folktales
- 2RL 9 Compare and contrast two or more versions of the same story by different authors of from different cultures.

Math

- 2.MD 1 Measure the length of an object by selecting and using the appropriate tools

Science

- 2.PS1.2 Test different materials and analyze the data obtained to determine which materials have the properties that are best suited for the intended purpose.

Engineering/technology

- k.2.ETS1.3 Analyze data from tests of two objects designed to solve the same design problem to compare the strengths and weaknesses of how each object performs.

Big Ideas:

- Comparing and contrasting
- Engineering Design Process

Essential Questions:

- How do I use compare and contrast to better understand what I read and write?
- How do scientists use technology to solve problems?

Students will do:

- Read several versions of gingerbread stories
- Create venn diagrams to compare and contrast
- Write compare and contrast paragraphs
- Implement the engineer design process to;
 - o design and build boats
 - o design and build bridges
 - o design and build a gingerbread trap
- Write a paragraph about their gingerbread's disguise.
- Measure lengths in centimeters or inches
- Write their own version of a gingerbread story

Students will understand:

- stories have similarities and differences
- venn diagrams are a tool that can be used to show similarities and differences
- the engineer design process
- how to measure in inches and centimeters
- how to write a two paragraph compare and contrast essay

Researched-Based Instructional Strategies:

1) Thematic Instruction 2) Identifying similarities and differences 3) Cooperative Grouping 4) Generating and testing hypothesis 5) Simulations

Materials/Resources/Websites:

Venn diagrams, Collection of Gingerbread stories, recyclable materials, marshmallows, toothpicks, masking tape, rulers

Multiple Assessments and Rubrics

The students will use a checklist to ensure they have all parts to their compare and contrast paragraphs. The same checklist would be used by the teacher to assess the student. Students will self evaluate their engineering designs after testing them and will reflect on their successes and challenges in writing.