Teaching STEM through Fairy Tales

The Princess and the Pea

The Challenge

Students are challenged to design and build a parachute that will help the princess descend to the ground as quickly as possible.

The Criteria

- Parachutes will be made out of provided supplies.
- Parachutes must carry the princess (designated cargo).

The Constraints

- Parachutes must be no larger than 15" in any direction.
- Parachutes will be tested by dropping them one by one from a designated balcony or stairwell. If none are available, teachers may provide a parachute dropper that attaches to the ceiling or students may drop their parachutes from a height of 48".

The Materials

- Tissue Paper
- Glue Sticks
- Scissors
- Measuring Tape

- String or Yarn
- Designated Cargo
- Parachute Dropper (optional)



