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 **Findley Oaks STEM Connect**

 **2nd Grade Design Brief**

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| **Month****February** | **Challenge**Operation Top Secret Message | **Unit**Pushes and Pulls |

**Standard:**

Students should follow the **Engineering Design Process.**

**Background/Problem:**

[**Powerpoint**](http://tinyurl.com/nvgo8ss)

**Click on the link to download the PowerPoint**

**Design Challenge:** Your challenge is to **relay a “Top Secret Message” to the wonderful Princess Reagan who is trapped on the balcony of the EDP Tower.**

**Criteria: Your contraption needs to:**

* **be able to deliver a message to the princess.**
* **have a moving part.**
* **be as tall as possible.**
* **be free standing and portable.**

Constraints:

All members of your team must participate

You can use some of are all of the materials.

Materials: (per team or group) 2,3, or 4 (teacher discretion)

* **10 pieces of paper**
* **10 paper clips**
* **10 rubber bands**
* **20 feet of string**
* **3 feet of masking tape**

Tools:

Rulers

scissors

Paper/pencil for design planning