**Findley Oaks Elementary**

**STEM Design Brief**

**Name: Pumpkin Push**

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| **Subject:**  Fall STEM Activity | **Grade Level:**  **K** | **Suggested Timeframe:**  2+hours |

**Standard:**

**K.RFS.1A Follow text from left to right and top to bottom and page by page.**

**K.W 5 Add pictures and words to my writing**

**K.6 Comparing numbers**

**Design Challenge:**

Ms. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ thinks that her class can role pumpkins further than Ms. \_\_\_\_\_\_\_\_\_\_\_\_\_ class.

How far (by using unifix cubes to measure) can you make a pumpkin roll with just one push?

**Criteria:**

1. Design and draw what classroom items might make your pumpkin roll the farthest.
2. Measure the roll using unifix cubes.
3. Take a piece of yarn and match it with the length of the unifix cubes.
4. Repeat this process 3 times. Complete the worksheet.

**Constraints:** Students should work in teams. Unifix cubes should be assembled in groups of 10.

**Materials:**

* Pumpkins (all the same size if possible)
* Unifix cubes (assembled in groups of 10
* Yarn

**Tools:**

* Items that can be used as planks (classroom blocks, boards, boxes, tops from containers, etc.)