Apple Engineering Challenge

**Materials:** apples, play dough, toothpicks, removable adhesive putty, squares of cardboard, other materials

- **Tell** the class that engineers figure out how to build things or solve problems. Now kids will be apple engineers. Their goal is to stack as many apples as they can without the stack falling down.

- **First,** kids can work in small groups to stack the apples without any additional materials. They’ll need to experiment to see whether size, weight, and shape factor into making a steady tower.

- **Then** invite kids to use the materials. Toothpicks stuck between the apples can help hold them together. Play dough can make a cushion in between. Let kids explore and find out what works best!