

## Science. Art. Tinker

### Lesson Choices Grades K-5

**Lesson Plan Options: These represent quick summations of potential lesson designs.**

**Activity- Make Butterflies to test in Wind Tunnel** Use a variety of materials to see what works best to allow a butterfly shape to stay aloft in the wind tunnel. **Art/Science/ Engineering/Math**

**Activity- What Shape Flies Best?** Use 4 inch squares of paper that will float in the wind tunnel and make them into different shapes (but keeping the overall size the same) and compare their height aloft/time suspended in the wind tunnel etc. **Art/Science/ Engineering/Math**

**Activity- Make it Fly!** Using styrafoam cups, students cut/poke/bend their cup design to make it fly up fastest/fly farthest and have a competition. **Art/Science/ Engineering/Math**

**Activity- Marble/Ping Pong Ball Run** Design and test a “Rube Goldberg” of tubes, foam noodles and other objects to create a consistent run. Have a competition for number of consistent runs as well as time for the completed run to take. **Art/Science/ Engineering/Math**

**Activity- Quilts: Geometric Gems** Bring Math and Art together. Learn how basic geometric shape turn into fascinating patterns and designs. Learn how nature is the inspiration for this special geometric category we call tessellations. You will rival Picasso with your own abstract geometric creation you will design! **ART/MATH/SCI**