Catching the Wind

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Brief: Estrella’s article was inspired by the Engineering Is Elementary Kit Catching the Wind. Through this kit students learn about the engineering design process and sustainable living.

Introduction

Engineers design technologies like a boat.

We wanted to design a sail that could catch the wind.

Which material will work in a sail design?

I chose an index card because the index card does not fall and it is good for a sail, because the other materials could fall down on the floor. I predicted that a triangle would work better than a square or a circle because it is good.

Methods

We tested our sails on a raft and track made of wires and a fan for wind.

Results

My sail went two inches.

Conclusion

My sail worked well because the material was strong.

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About the Author: Estrella is a first-grade student at Hattie Cotton STEM-Magnet Elementary School.