



JOSEPH KUSHNER HEBREW ACADEMY

RAE KUSHNER YESHIVA HIGH SCHOOL

SIXTH GRADERS EXPAND THEIR “DESIGN THINKING” AND CRITICAL THINKING WITH STEM PROJECT ON WINDMILLS AND RENEWABLE RESOURCES

6th graders are exploring the power of renewable resources as a part of their science curriculum. The students are busy collaborating to design and build a windmill that is capable of lifting a cup to a particular height from the floor. This STEM project provides a great opportunity for the students to expand their experience with ‘design thinking’ and improvisation. While a detailed note of the design is required from students to help them develop their ability to design and to document their thinking, there is also equal emphasis on how they approach their working models. They are required to look their working models and constantly discover ways to improvise it to make it more effective and economical. Such projects bring in an atmosphere of excitement and opportunity to our students, while it primarily enhances their creative and critical thinking.

