



Energy Transfer

VSS 5.2

Student will investigate and understand that energy can take many forms. It can be transformed but cannot be created or destroyed.

Task

Students will create a 3D model and write up to show and explain how energy can be transformed from one form to another. It is not expected to be a 'live' transformation but a prototype. To show an understanding of the process and what they've built.

Expectations

Due: Monday, 20th January 2020

Dimensions: Maximum, a foot wide or high

Presentations: 3 - 5 minutes, sharing what they created for their model and why and how it is affected by energy transferring from one form to another.

Write up: a page typed or hand written explaining what they've made and the process of transformation and how that changes the object and energy form.

Students will be given a rubric to follow, which will show expectations and how to receive full marks. All of this information will also be on the blog for future reference.

See below for examples of transformation of different types of energy forms.

Examples

Solar Energy



Sun	Solar Panels	Electricity
The sun, a natural source of energy can be transformed into a lot of ways.	One form, is a renewable resource like solar panels. These are used for businesses, homes, and even farms. The panels store energy from the sun and then used when needed.	Through the solar panel, that energy is then formed into electricity which can power a home, like in the picture above.

Windturbines



Catapults

