Every day we use energy to make changes to our surroundings. We heat rooms, freeze food and communicate using light, sound and electricity. Power stations and local solutions such as batteries provide us with electrical energy that machines transform into the useful energies that we require.

During the next 15 weeks we will be exploring how energy is used to make changes in our world including energy from the sun, wind and water. Students will be understanding how to improve the efficiency of a water wheel through hands on investigations. They will then construct their own water wheel and enter it as part of the Enquest engineering program. We will also be investigating variables that affect the output of a simple battery made from household items.

If time allows students will also design and build their own solar cooker in which they can cook delicious treats using only the energy from the sun.