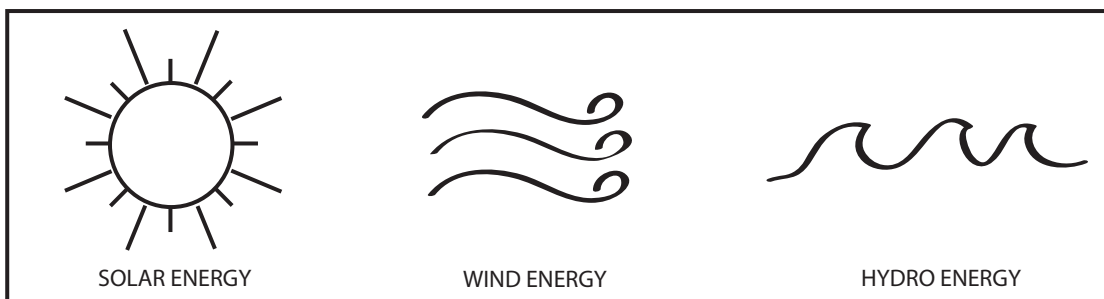


Renewable Energy

Engineering with LEGO Bricks
Brain Builders Educational Programs

What is renewable energy? – energy that comes from natural sources. The 3 most common types of renewable energy are from the sun, wind, and water.



There are different ways to harness renewable energy to produce electricity.



Sun energy known as solar power is harnessed through the use of solar panels.



Wind energy is harnessed through the use of a windmill.



Water energy, also known as Hydropower, is usually harnessed through use of a dam.



Renewable energy can also be used to help us do other things besides producing electricity. For example, the sun can help us heat up a room when it is cold, and wind can propel a sail boat or fly a kite!

Over the next few weeks, we will be engineering wind and solar powered machines and learning how to change mechanical energy into electricity! You will be faced with many challenges. Some will be easy and some will be difficult, so get ready!

