Year 4

Subject: Design & Technology

Key Learning

Create a wind turbine that stands at least 50cms tall and can move in the wind

Research wind turbines and consider how the blades move

Design a wind turbine that is sturdy enough to withstand the wind and is at least 50cms tall

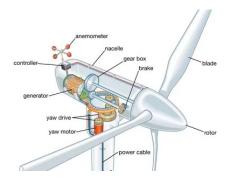
Gather the resources needed to make the wind turbine

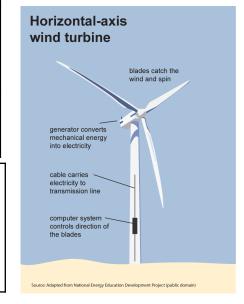
Make the wind turbine, ensuring that it is fit for purpose

Evaluate the wind turbine against the original design

Vocabulary	
Wind Turbine	a machine that converts the kinetic energy of wind into electrical energy.
Sturdy	strong and well-built, able to withstand rough conditions, such as wind or weather.
Blade	the rotating part of the wind turbine that captures the energy of the wind.
Rotor	the assembly of blades and hub that spins around the main shaft of the wind turbine.
Generator	a device that converts the mechanical energy from the rotor of the wind turbine into electrical energy.
Wind Speed	the rate at which the wind is blowing, measured in miles per hour or meters per second







Prior Learning –

