

My steps through learning:

What I will know and understand

How I will show that I know it

DT - Wacky Windmills

Steps through Learning



Lesson 4



To know the similarities and differences of windmills around the world

I can design and make my own windmill

Lesson 3

To know the materials needed to make different types of windmill sails



I can make a pinwheel structure spin on an axis

Lesson 2



To know some ways of making strong bases

I can find and use the strongest materials to make a sturdy windmill base

Lesson 1

To know what windmills are and how they are used



I can identify and describe the features of a windmill

National Curriculum:

- Design purposeful, functional, appealing products for themselves and other users based on design criteria
- Generate, develop, model and communicate their ideas through talking, drawing templates and mock-ups
- Select from and use a range of tools and equipment to perform practical tasks for example, cutting, shaping, joining and finishing
- Select from and use a wide range of materials and components including construction materials, according to their characteristics
- Build structures, exploring how they can be made stronger, stiffer and more stable
- Explore and use mechanisms (for example levers, sliders, wheels and axis) in their products

What should I already know:

- How to use equipment safely (e.g. scissors when cutting)
- Understanding of junk modelling
- Understanding of basic mechanisms (axis)