

Design Brief

Ask, imagine and plan

engineering

Words to use

User need · Design plan · Success criteria

The problem

Design a bird feeder for Irish garden birds that holds seed, keeps the seed dry, and gives small birds a stable perch.

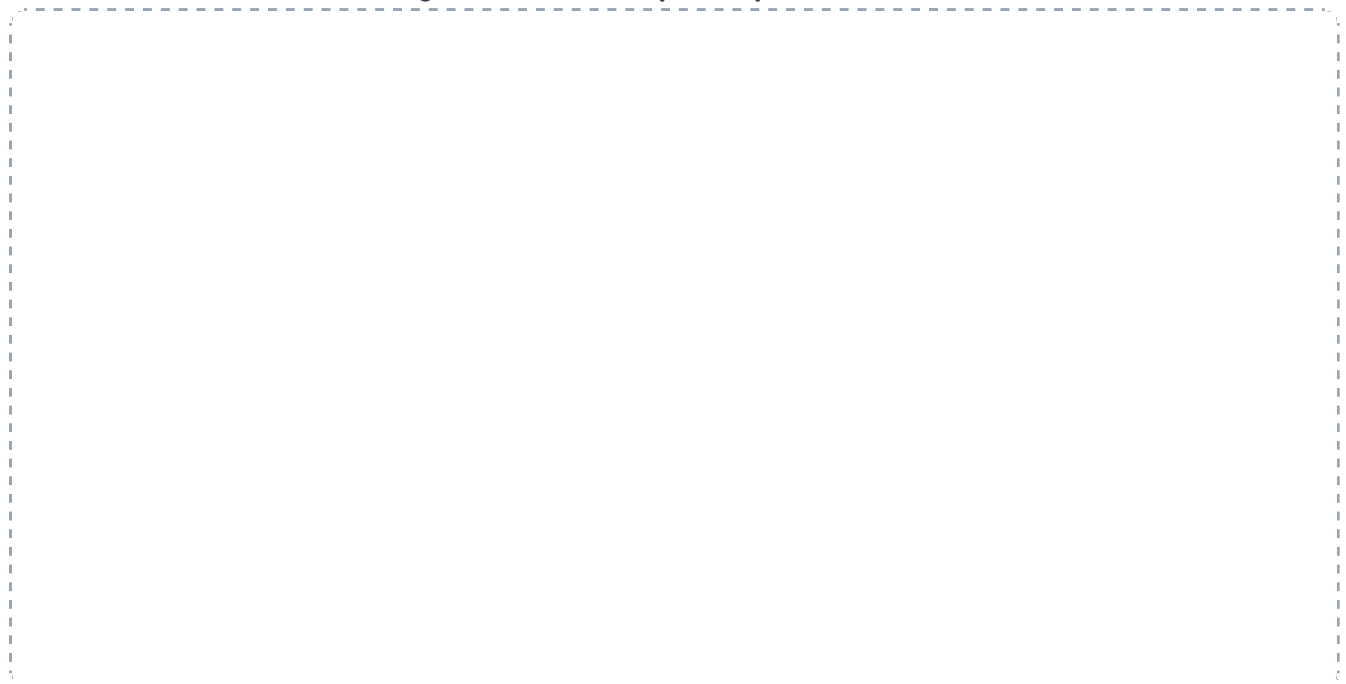
Who is it for?

Small Irish garden birds such as robin, blue tit, chaffinch and blackbird visiting the school grounds or local gardens

What it must do, and must NOT do

Use only everyday junk-modelling materials (clean plastic bottles, string, sticks, card) · Must be buildable in one lesson next time with adult help for hard cuts · Must address hold seed, keep seed dry, and stable perch

Our chosen feeder: draw it large and label every main part



Check your drawing shows

Where the seed is stored · How rain is kept off · Where the bird perches

Materials you can choose from

clean plastic bottles · string or garden twine · lollipop or garden sticks · card or bottle lids · scissors with adult help · bird seed for later testing

The materials our feeder needs



Lesson 29

Our three success criteria: how we will check every feeder the same way

