



# Nature's Engineers

## Introducing Nature's Engineers

At least 1 week before

- As a class, discuss what biomimicry is
- Take your class on a nature hunt to collect examples of nature! You will need to take paper and crayons or pastels with you. You may also want to bring a digital microscope, magnifying glass or a magnifying app
- Children can work individually or in pairs for this activity
- Create impressions of the objects you find by placing a piece of paper on top of the object e.g plant leaf and rub the surface of the paper with a crayon or a pastel
- Using a digital microscope, magnifying glass or magnifying app, take a closer look at the patterns and shapes in plants, flowers or habitats and take photos or draw what you see
- As a class, share and discuss the patterns, shapes, geometry and structures you observed
- KS2: Use the Meeting Nature resource to investigate the science behind a plant or habitat
- KS2: Use the Building with Nature resource to explore an architect or an engineer who has built something using biomimicry
- After the lesson, print out any photos you took during the trail and print off iOi My Invention Idea resource for each child

## Broadcast day

- Get your computer or laptop set up with the provided Streamyard link
- Check children have their nature patterns and images to use during the workshop
- Provide each child or pair, My Invention Idea printout, paper and scissors

## Live Broadcast

KS1 workshops will take place from 9:15 to 10:30am (GMT)

9:15 - 9:25 Introduction to Wild Eco Builders with interactive Q&A

9:25 - 9:35 Introduction to Nature's Engineers exploration and techniques

9:35 - 10:15 Your class will experiment and create nature inspired buildings using paper

10:15 - 10:30 Show & Tell. Place the map and buildings in front of the camera and ask 4 children to share their buildings

KS2 workshops will take place from 13:30 to 14:45pm (GMT)

13:30 - 13:45 Introduction to Wild Eco Builders with interactive Q&A

13:45 - 13:55 Introduction to Nature's Engineers exploration and techniques

13:55 - 14:35 Your class will experiment and create nature inspired buildings using paper

14:35 - 14:45 Show & Tell. Place the map and buildings in front of the camera and ask 4 children to share their buildings