

Independent Learning Project Spring 2



Year 5 Roots and Shoots



During the school holidays you may want to do some additional learning in preparation for your new unit 'Roots and Shoots'. Below are some ideas but you can also let your imagination go wild! We would love to see what you do, maybe a poster, photos, a presentation, a model.... We hope you have lots of fun getting ready for your next bit of Learning!

Roots and Shoots Summary

We will be learning about the life cycle of a plant following its journey from a seed to pollination, to fertilisation, to germination, to the growth and then back to seed again. We will become scientists as we investigate what plants need to grow well and the role that bees and butterflies play in plant life. As designers we will create our own devices to aid in sowing seeds in a way to support healthy growth. We will investigate questions such as: What would happen if there were no insects in the world? What are the most important factors affecting seed germination and why do seeds need to be dispersed in different ways?

Project Ideas

- What lives and grows in your local area?
- Make a Journey Stick <https://sussexwildlifetrust.org.uk/discover/go-wild-at-home/activity-films/how-to-make-a-journey-stick>
- Fact File; Which are the tallest trees in the world? Which plants eat insects? Which is the smallest plant on Earth?
- Diagram to explain Photosynthesis
- What vocabulary do you know related to plants?
- What ways are seeds dispersed?
- What are decomposers?
- What is Sustainable Development Goal 2?
- Research; Drought and global warming, Food waste in developing countries, Genetically modified crops
- What difference can Meat Free Mondays make?

What ideas do you have?

Please bring your projects in to school the first week back!