



Outdoor Learning Knowledge Organiser

Year group: 3

Topic:
Growing and
Developing a
Healthy Lifestyle

Going on a Seed
Safari

Key Question: What is needed for seed germination?

Key Vocabulary:

Seed, Air, Water, Light, warmth, soil, dry, vegetables, germinating, life cycle, experiment, nutrients, propagator, elements, germination, shoot, root, seedling, investigation

Links to National Curriculum - Science

Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant

Investigate the way in which water is transported within plants



What key knowledge will I have by the end of this journey?

Recognise that seeds come in different shapes and sizes.

To understand that a seed contains the potential of a plant.

Discover which part of the seedling grows first

To understand the elements that seeds need to grow (water, warmth, light)

Seeds can be dried, stored and planted another year

What key skills will I have by the end of this journey?

I can follow instructions from a seed packet.

I can design and make a seed packet and write instructions for germination

I can explain what is needed for a seed to germinate.

I can successfully plant seeds using recycled materials.

My outcome will be

To understand how a seed germinates and what conditions are needed for a plant to form.



Links to previous and future learning

In Year 3

In year 4
Understand seasonality and where foods come in the world (carbon footprint)

Planting

In Year 5
Understand plant propagation. Investigate a balanced diet.

Planting

In year 6
Understand food labelling and nutrition values within foods.

Planting