

GRADE 4 LEARNING PACK

# Plant Life Cycles, Pollination & Seed Dispersal

Explain key stages in flowering plant reproduction and investigate how seeds can be dispersed.

**LEARN • PRACTISE • CREATE • REFLECT**

Original BrightPencil Kids resource - adult-led where appropriate

A4 edition • 12 purposeful pages • review copy

**Print. Learn. Grow.**

# Grown-up guide

---

## Learning objective

Explain key stages in flowering plant reproduction and investigate how seeds can be dispersed.

## Use this pack well

- Model the first example aloud, then let the learner try.
- Ask “How do you know?” more often than “Are you finished?”.
- Use real objects, talk, movement or observation when the activity suggests it.
- Stop or shorten the session if attention or enjoyment drops.
- Open-ended pages can have many successful answers.

## Quality note

This resource was written originally for BrightPencil Kids. Curriculum sources informed scope and progression only; no third-party worksheet or story text is reproduced.

# Learn the idea

---

**1** Flowers can play a role in reproduction by enabling pollination.

**2** Seeds contain the next generation and can be dispersed in different ways.

**3** Plant life cycles vary between species and environments.

## Talk about it

Explain one idea in your own words. Give an example from real life, a drawing or an object if that helps.

Sequence germination, growth, flowering, pollination, seed formation and dispersal.

Match wind, water, animals and gravity to seed-dispersal examples.

Explain why flowers and pollinators can be connected.

Compare two seed structures and infer likely dispersal methods.

Avoid saying every plant follows exactly the same visible cycle.

## Try it beyond the page

---

### Real-world / hands-on connection

Observe fallen seeds or fruits without picking protected plants; compare their shapes with an adult.

### Before you finish

What did you notice?

---

What evidence, object or example helped you?

---

What would you change if you tried again?

---

# Create something

---

## Your project

**Design three fictional seeds adapted for wind, animals and water, labelling the useful features.**

Use this space for planning, drawing, mapping, designing or notes.



CHALLENGE

# Think deeper

---

1. What is pollination?

---

---

2. Why disperse seeds away from the parent plant?

---

---

3. Do all seeds disperse in the same way?

---

---

# Quick review

---

1. In one sentence, explain the big idea of “Plant Life Cycles, Pollination & Seed Dispersal”.

---

---

2. Draw or write one example that shows you understand.

---

---

3. Choose one activity from this pack and explain the strategy you used.

---

---

4. Write one question you still have.

---

---

## Answer & discussion notes

---

Use these as guidance, not scripts. Open questions can have different successful responses when the reasoning is sensible and evidence-based.

### 1. Suggested response

Transfer of pollen that enables fertilisation in flowering plants.

### 2. Suggested response

It can reduce competition and help colonise suitable places.

### 3. Suggested response

No.

### Review before publication

Check age fit, factual accuracy, clarity, accessibility, rights provenance and whether the activity works in practice. This file remains a review copy until those checks are signed off.

# My learning reflection

---

**I finished this BrightPencil learning pack.**

**One thing I understand better now:**

---

---

**A strategy that helped me:**

---

---

**Something I created or noticed:**

---

---

**My next small question or goal:**

---

---