



# Classroom Microgreen Bundle Content Year 1

## Overview

This document provides an outline for teachers to help plan and deliver the Classroom Microgreen Bundle to a Year 1 classroom.

We have provided alignment to the Australian Curriculum Version 9.0 so that teachers can easily incorporate this into meeting learning objectives. A legend is provided below.

The content represents an approximate 2 week duration, as Microgreens take between 7 - 10 days to mature to harvest stage.

Suggested learning objectives and activities are also outlined. Detailed resources (including Powerpoint files and instructional videos, are available once the Classroom Microgreen Bundle is purchased.

## Content Descriptor Legend

[https://www.qcaa.qld.edu.au/downloads/aciqv9/science/curriculum/ac9\\_science\\_yr1\\_as\\_cd\\_alignment.pdf](https://www.qcaa.qld.edu.au/downloads/aciqv9/science/curriculum/ac9_science_yr1_as_cd_alignment.pdf)

<p><b>Content Descriptor: AC9S1U01</b> Identify the basic needs of plants and animals, including air, water, food or shelter, and describe how the places they live meet those needs</p>	<p><b>Content Descriptor: AC9S1I03</b> Make and record observations, including informal measurements, using digital tools as appropriate</p>
<p><b>Content Descriptor: AC9S1U02</b> Describe daily and seasonal changes in the environment and explore how these changes affect everyday life</p>	<p><b>Content Descriptor: AC9S1I04</b> Sort and order data and information and represent patterns, including with provided tables and visual or physical models</p>
<p><b>Content Descriptor: AC9S1H01</b> Describe how people use science in their daily lives, including using patterns to make scientific predictions</p>	<p><b>Content Descriptor: AC9S1I05</b> Compare observations with predictions and others' observations, consider if investigations are fair and identify further questions with guidance</p>
<p><b>Content Descriptor: AC9S1I01</b> Pose questions to explore observed simple patterns and relationships and make predictions based on experiences <i>.. pattern of evidence, trees grow from seeds, my mum has a vegetable garden</i></p>	<p><b>Content Descriptor: AC9S1I06</b> Write and create texts to communicate observations, findings and ideas, using everyday and scientific vocabulary</p>

## Day 1: Introduction to Microgreens

### Learning Objectives

Introduce the concept of microgreens and their nutritional benefits.  
Understand what microgreens are and their nutritional benefits

### Content Descriptors this lesson targets

**Content Descriptor: AC9S1U01**

*“Identify the basic needs of plants and animals, including air, water, food or shelter, and describe how the places they live meet those needs”*

**Content Descriptor: AC9S1I01**

*“Pose questions to explore observed simple patterns and relationships and make predictions based on experiences”*

### Resources Required

- The Classroom Microgreen Kit
- PowerPoint
- Sample Microgreens

Duration: 50 minutes

### Activities

- Pre Test
- Play Powerpoint Slide for Day 1
- Class discussion
- Students make predictions

## Day 2: Planting Seeds

### Learning Objectives

Understand the process of planting microgreen seeds.

### Content Descriptors this lesson targets

**Content Descriptor: AC9S1U01**

*“Identify the basic needs of plants and animals, including air, water, food or shelter, and describe how the places they live meet those needs”*

What five things plants need to survive? Water, air, soil, light, and a good temperature

**Content Descriptor: AC9S1I04**

*“Sort and order data and information and represent patterns, including with provided tables and visual or physical models”*

### Resources Required

- The Classroom Microgreen Kit
- PowerPoint
- Water

Duration: 30-45 mins

### Activities

- Fill trays with hemp
- Sow Seeds
- Top Water Seeds (mist seeds from top)
- Place humidity dome
- Photo Cards Sorting Activity

## Day 3-5: Germination Stage

### Learning Objectives

Observe and understand the germination process

### Content Descriptors this lesson targets

**Content Descriptor: AC9S1I03**

*“Make and record observations, including informal measurements, using digital tools as appropriate”*

**Content Descriptor: AC9S1I06**

Write and create texts to communicate observations, findings and ideas, using everyday and scientific vocabulary

### Resources Required

- The Classroom Microgreen Kit
- PowerPoint
- Sample Microgreens

Duration: 20-25 minutes daily

### Activities

- Do not water (mould risk - humidity domes mean you don't need to water)
- Checking for problems
- Measuring height
- Observe colour intensity
- Document observations

## Day 6-9: Growth and Care

### Learning Objectives

Understand how to monitor and care for growing microgreens

### Content Descriptors this lesson targets

**Content Descriptor: AC9S1U02**

*“Describe daily and seasonal changes in the environment and explore how these changes affect everyday life”*

**Content Descriptor: AC9S1I03**

*“Make and record observations, including informal measurements, using digital tools as appropriate”*

**Content Descriptor: AC9S1I06**

*“Write and create texts to communicate observations, findings and ideas, using everyday and scientific vocabulary”*

### Resources Required

- The Classroom Microgreen Kit
- PowerPoint
- Water

Duration: 25-30 mins

### Activities

- Bottom Watering (place water in between black tray without holes and black tray with holes)
- Checking for problems
- Measuring height
- Observe colour intensity
- Document observations

## Day 10: Harvesting

### Learning Objectives

Understand the process of harvesting microgreens.

### Content Descriptors this lesson targets

**Content Descriptor: AC9S1I03**

*“Make and record observations, including informal measurements, using digital tools as appropriate”*

**Content Descriptor: AC9S1I06**

*“Write and create texts to communicate observations, findings and ideas, using everyday and scientific vocabulary”*

### Resources Required

- The Classroom Microgreen Kit
- PowerPoint

Duration: 30 mins (including eating!)

### Activities

- FINAL Measuring height
- FINAL Observe colour intensity
- Document observations
- Harvesting
- Wash, and Eat!
- Clean Up

## Day 9-10: Reflection and Conclusion

### Learning Objectives

Reflect on the microgreen growing experience and its connections to plant biology and nutrition.

### Resources Required

The Classroom Microgreen Kit; PowerPoint; Water  
Duration: 15 mins

### Content Descriptors this lesson targets

**Content Descriptor: AC9S1106**

*“Write and create texts to communicate observations, findings and ideas, using everyday and scientific vocabulary”*

**Content Descriptor: AC9S1104**

*“Sort and order data and information and represent patterns, including with provided tables and visual or physical models”*

Refer back to Day 1 activity

**Content Descriptor: AC9S1105**

*“Compare observations with predictions and others’ observations, consider if investigations are fair and identify further questions with guidance”*