

## C2C for Science

### What do the C2C: Science resources cover?

C2C units for Science have been developed for Kindergarten to Year 10.

Once the online resource (Package Folder) has been downloaded from Scootle there will be two separate folders – Resources and Unit Folders, to open within the Package Folder. These folders contain all the resources required to deliver the unit.

1. Package Folder -
  - a. Resources Folder
    - i. Assessment Folder
    - ii. Documents Folder consisting of:
      1. Year level Concept Mapping
      2. Year level Content Descriptions
      3. Year level plan
      4. Unit Concept Mapping
      5. Unit Content Descriptions
      6. Unit General Capabilities
      7. Materials Equipment List (Yr 7-10)
      8. Templates and resources
    - iii. Video Folder and/or Interactives Folder
  - b. Unit Folder
    - i. Individual word documents consisting of:
      1. Unit Plan
      2. Teacher Lesson Overview
      3. Individual Lesson Plans

### Are C2C units based on an inquiry model?

The C2C: Science units are structured to support learning through inquiry without using a specific model. Teachers are able to view the units and lesson sequences and overlay the specific inquiry approach that is in use at their school.

### How do C2C materials align with, or embed, *PrimaryConnections*?

*PrimaryConnections* is one of many science resources available for schools to access when preparing lesson sequences in science. The C2C materials do not use *PrimaryConnections* explicitly; however, where appropriate and relevant, *PrimaryConnections*

activities are referenced as an alternative suggestion for teachers.

### Is science compulsory in Year 10?

Yes. The Australian Curriculum describes a learning entitlement for students, which includes Year 10 science. Accordingly, the Science curriculum is based on the assumption that it will be taught in Year 10; therefore C2C: Science materials have been developed for Kindergarten to Year 10.

### Can schools still deliver a ‘taster’ of the Year 11 and 12 science programs in Year 10?

Yes. The sub-strands of the Australian Curriculum: Science align with a number of the senior science study options, including Biology, Physics and Chemistry, and provide an insight into what these subjects entail in Years 11 and 12.

### Will marking guides be developed for all mathematics assessment tasks?

GTMJs accompany all summative assessment tasks. The Australian Curriculum proficiency strands describe the actions in which students can engage when learning and using the content. While not all proficiency strands apply to every content description, they indicate the breadth of mathematical actions that teachers can emphasise.

### Which diagnostic tests should schools use to determine students’ prior knowledge and understanding of number and place value, fractions and decimals and patterns and algebra?

The use of a specific diagnostic test is a school-based decision.

### Do C2C: Science lessons require primary students to have access to a laboratory?

No. The Kindergarten – Year 7 C2C units have been written with the knowledge that many primary schools do not have science laboratories

## Is specialist equipment required to teach Science?

The science equipment used in experiments referred to in the C2C: Science materials for Years 7 – 10 is typically what most high schools would already possess. Materials and equipment lists are provided for each unit and schools can access these to determine materials and equipment needs prior to beginning the unit. Teachers and curriculum leaders are able to adapt, modify and contextualise the C2C materials to suit specific school contexts, needs and resource availability.

## Dreaming stories are included in the resource lists for some C2C: Science units. Is it appropriate to use these resources when teaching science?

Yes. The Australian Curriculum includes Aboriginal and Torres Strait Islander histories and cultures as one of three Cross-curriculum priorities. For this reason, opportunities for students to engage in learning experiences that allow them to build an understanding and appreciation of the history and culture of the Aboriginal and Torres Strait Islander Peoples are included in many of the C2C units, including science units.

When developing science lessons, the C2C writers consulted with Indigenous officers and referred to the Australian Curriculum [Aboriginal and Torres Strait Islander histories and cultures Cross-curriculum priority](#).

## Schedule 6 (S6) chemicals are listed for some experiments in C2C: Science units. Should they be used by teachers and students?

The safe use of chemicals and implementing effective management practices are outlined in the ACT Education Directorate's document *Management of Dangerous and Hazardous Substances, and Dangerous Goods* available at:  
<https://index.ed.act.edu.au/our->

[people/whs/managing-specific-regulated-hazards/dangerous-substances.html](https://index.ed.act.edu.au/our-people/whs/managing-specific-regulated-hazards/dangerous-substances.html)

This document outlines the duties and responsibilities relating to dangerous and hazardous substances, and dangerous goods in Directorate workplaces.

Teachers should use *Chemwatch* and consult the relevant Safety Data Sheets for chemical safety information pertaining to the use of the substance. Teachers may also access information on the *Australian School Science Information Support for Teachers and Technicians* website at:  
<http://assist.asta.edu.au/resource/2298/risk-assessment-template>

## What support is available for teachers to teach Science?

Teachers can access the Science curriculum on the Australian Curriculum website at:  
<http://www.australiancurriculum.edu.au/science/curriculum/f-10?layout=1>