

Science 7-10 Curriculum Outcomes encompassed in a School Waste Audit

A School Waste Audit can be an exciting and different activity to undertake as part of the Science 7-10 course. It incorporates many aspects of **Working Scientifically**, the **Sustainability cross-curriculum priority** and other topics can be incorporated as well. Teachers are encouraged to use the ***Kimbriki Waste Audit Guide***, in conjunction with the ***School Waste Audit Whole Day Lesson Plan*** (which can be completed over a few lessons) to undertake a Waste Audit at the school and then dive deeper into scientific principles using the data collected in various ways.

The below table identifies the relevant Science outcomes that can be met through the undertaking of a School Waste Audit and supplementary activities.

Working Scientifically (S4)	SC4-WS-01	Uses scientific tools and instruments for observations.
	SC4-WS-02	Identifies questions and makes predictions to guide scientific investigations.
	SC4-WS-03	Plans safe and valid investigations.
	SC4-WS-04	Follows a planned procedure to undertake safe and valid investigations.
	SC4-WS-05	Uses a variety of ways to process and represent data.
	SC4-WS-06	Uses data to identify trends, patterns and relationships, and draw conclusions.
	SC4-WS-07	Identifies problem-solving strategies and proposes solutions.
	SC4-WS-08	Communicates scientific concepts and ideas using a range of communication forms.
Working Scientifically (S5)	SC5-WS-01	Selects and uses scientific tools for accurate observations.
	SC5-WS-02	Develops questions and hypotheses for scientific investigation.
	SC5-WS-03	Designs safe, ethical, valid and reliable investigations.
	SC5-WS-04	Follows a planned procedure to undertake safe, ethical, valid and reliable investigations.
	SC5-WS-05	Selects and uses a range of tools to process and represent data.
	SC5-WS-06	Analyses data from investigations to identify trends, patterns and relationships and draws conclusions.
	SC5-WS-07	Selects suitable problem-solving strategies and evaluates proposed solutions to identified problems.
	SC5-WS-08	Communicates scientific arguments with evidence, using scientific language and terminology in a range of communication forms.
Solutions & Mixtures (S4)	SC4-SOL-01	Explains how the properties of substances enable separation in a range of techniques (density formula).
Materials (S5)	SC5-MAT-01	Assesses the uses of materials based on their physical and chemical properties.
Environmental Sustainability (S5)	SC5-ENV-01	Analyses the impact of human activity on the natural world.