

Analyse the Impact of Everyday Objects

Course Brochure

What's it about?

Life Cycle Assessments are used by industries across the world to assess the environmental impact of a product, from extraction to end of life. This course will walk you through each stage of a Life Cycle Assessment and give you examples of how to use it to analyse everyday objects.

What will I learn?

- How to teach Life Cycle Assessments in Year 7-10 Design and Technology.
- How to investigate each stage of a product's life cycle.
- How to use Life Cycle Assessments to analyse environmental impact of different products.
- How to access a range of teaching resources.

How long does it go for?

This course will take you 2 hours to complete.

Enjoy it in one session or spread it out over a few weeks. You will have ongoing access.

How does it work?

This course is on-demand and for private study.

Learn at your own pace and at times that suit you.

What are the course modules?

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| 1. Introduction | Get started with your online professional development. |
| 2. Life Cycle Assessment | Learn about each stage of a Life Cycle Assessment. |
| 3. Bottled Water | Analyse the impact of a bottle and consider its design. |
| 4. Your Teaching | Explore teaching resources from Cool Australia. |
| 5. Reflection | Reflect on your course learning. |



What are the curriculum links?

Design and Technologies – Years 7-8:

- Investigate the ways in which products, services and environments evolve locally, regionally and globally and how competing factors including social, ethical and sustainability considerations are prioritised in the development of technologies and designed solutions for preferred futures (ACTDEK029)
- Independently develop criteria for success to evaluate design ideas, processes and solutions and their sustainability (ACTDEP038)

Design and Technologies – Years 9-10:

- Explain how products, services and environments evolve with consideration of preferred futures and the impact of emerging technologies on design decisions (ACTDEK041)
- Evaluate design ideas, processes and solutions against comprehensive criteria for success recognising the need for sustainability (ACTDEP051)

Is it accredited for PD hours?

This course is mapped to the Australian Professional Standards for Teachers. It is accredited for professional development hours in:

Graduate Teacher – all states and territories

2.1.1 Demonstrate knowledge and understanding of the concepts, substance and structure of the content and teaching strategies of the teaching area.

3.3.1 Include a range of teaching strategies.

3.4.1 Demonstrate knowledge of a range of resources, including ICT, that engage students in their learning.

Proficient Teacher – all states and territories

2.1.2 Apply knowledge of the content and teaching strategies of the teaching area to develop engaging teaching activities.

3.3.3 Plan and implement well-structured learning and teaching programs or lesson sequences that engage students and promote learning

3.4.2 Select and/or create and use a range of resources, including ICT, to engage students in their learning

Highly Accomplished Teacher – all states and territories except for NSW

2.5.3 Support colleagues to implement effective teaching strategies to improve students' literacy and numeracy achievement

3.3.3 Support colleagues to select and apply effective teaching strategies to develop knowledge, skills, problem solving and Critical and Creative Thinking

3.4.3 Assist colleagues to create, select and use a wide range of resources, including ICT, to engage students in their learning.



Cool Australia is endorsed to provide TQI Registered Professional Development for ACT teachers accredited at Proficient or Highly Accomplished Teacher.



Cool Australia is endorsed to provide the NSW Education Standards Authority (NESA) Registered Professional Development for teachers accredited at Proficient Teacher.