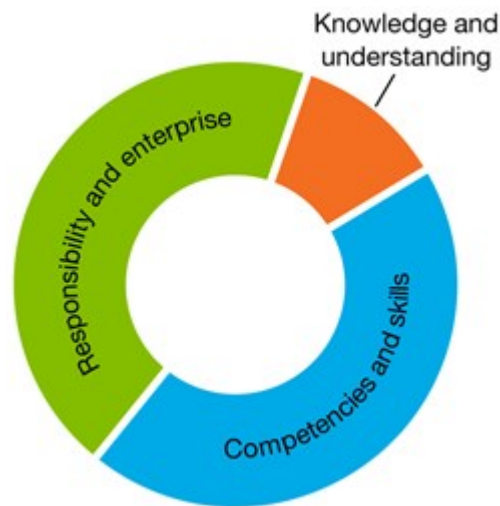


Consumer and financial literacy: Design and Technologies

Design and Technologies

The Australian Curriculum: Technologies has a significant role in developing consumer and financial literacy in young people. The Design and Technologies subject supports the development of the dimensions of consumer and financial literacy as shown in the diagram below.



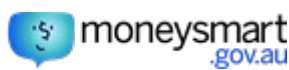
Approximate proportion of the dimensions addressed in Design and Technologies

By learning to identify opportunities for designing solutions, participating in the investigation of technologies, generating design ideas and processes, and working collaboratively to make designed solutions in Design and Technologies, students acquire the enterprise skills of design thinking, creativity and innovation. They also learn to become responsible consumers by evaluating the success of design ideas, processes and solutions based on a range of criteria including sustainability. Most design projects require budgeting and consideration of the trade-offs necessary when selecting resources.

Becoming responsible and ethical consumers is underpinned by an understanding students acquire about the use and development of designed solutions, and the impact of the solutions on people's lives. Designing involves social, ethical and sustainability considerations as well as the identification of preferred futures. The evaluation of resources, processes and designed solutions requires students to identify and manage consumer risks to individuals, families and the broader community and environment.

The making of designed solutions opens up possibilities for students to apply their skills to real-world contexts through which consumer and financial literacy can be developed. Students consider their innovative designed solutions for their marketing and commercialisation potential.

[Moneysmart for teachers](#) provides a number of interdisciplinary units and interactive activities that include aspects of the Design and Technologies subject. Access a list of relevant resources that link to the Australian Curriculum: Design and Technologies using the right-hand menu.



Supporting documentation

[Mapped Years F-6 content descriptions in table format](#)

[Mapped Years 7-10 content descriptions in table format](#)

Links to resources that support Design and Technologies

[F - 2 Ava makes a difference](#)

[Year 5 Never too young to be Moneysmart with clothes](#)

[Year 6 The fun begins: Plan, budget, profit!](#)

[Year 6 It's raining cats and dogs... and chickens?](#)

[Year 9 English – smart consumers 4 a smart future – Smart arguments](#)

[Year 9 Mathematics – smart consumers 4 a smart future – Solar sums](#)

[Year 9 Science – smart consumers 4 a smart future – My eco-kitchen rules](#)

[Year 10 Science – smart consumers 4 a smart future – Decisions by the stars](#)

Knowledge and understanding

Design and Technologies - Foundation to Year 2

By the end of Year 2:

Technologies and society

Identify how people design and produce familiar products, services and environments and consider sustainability to meet personal and local community needs (ACTDEK001)

Competencies and skills

Design and Technologies - Foundation to Year 2

Technologies contexts

By the end of Year 2 students will have had the opportunity to create designed solutions addressing the three technologies contexts below.

Engineering principles and systems

Explore how technologies use forces to create movement in products (ACTDEK002)

Food and fibre production and food specialisations

Explore how plants and animals are grown for food, clothing and shelter and how food is selected and prepared for healthy eating (ACTDEK003)

Materials and technologies specialisation

Explore the characteristics and properties of materials and components that are used to produce designed

solutions (ACTDEK004)

Producing and implementing

Use materials, components, tools, equipment and techniques to safely make designed solutions (ACTDEP007)

Responsibility and enterprise

Design and Technologies - Foundation to Year 2

Investigating and defining

Explore needs or opportunities for designing, and the technologies needed to realise designed solutions (ACTDEP005)

Generating and designing

Generate, develop and record design ideas through describing, drawing and modelling (ACTDEP006)

Evaluating

Use personal preferences to evaluate the success of design ideas, processes and solutions including their care for environment (ACTDEP008)

Collaborating and managing

Sequence steps for making designed solutions and working collaboratively (ACTDEP009)