Government of **Western Australia**
School Curriculum and Standards Authority

Learning area organisation

Technologies

Aims

- Students make informed and ethical decisions about the role, application and impact of technologies on people, society, and the economy
- Students are creative, innovative and enterprising when using traditional, contemporary and emerging technologies
- Students identify, investigate, ideate, and analyse needs, environments, problems and/or opportunities to design and create solutions
- Students engage in design thinking skills to design, produce, implement and evaluate solutions

Design and Technologies

Contexts
- Engineering principles and systems
- Food and fibre production
- Food specialisations
- Materials and technologies specialisations

Technologies and society

The teaching of Design and Technologies is mandated for Pre-primary–Year 8 and optional in Years 9–10.

Each year students have the opportunity to study at least one of the contexts. It is desirable that schools provide students with the opportunity to engage with all contexts from Pre-primary to Year 10.

Design thinking skills
- Project management
- Investigating and defining
- Designing
- Producing and implementing
- Evaluating

Digital Technologies

Digital systems

Data representation

Privacy and security

Acquiring, managing and analysing data

Digital implementation

The teaching of Digital Technologies is mandated for Pre-primary–Year 8 and optional in Years 9–10.

The Acquiring, managing and analysing data strand is only taught in Years 7–10.

Ways of teaching

For each of the Technologies subjects (Design and Technologies and Digital Technologies), the knowledge, understanding and Design thinking skills are delivered and assessed through an integrated approach.

Plan

Western Australian Curriculum: Technologies

Principles of Teaching, Learning and Assessment

Pre-primary to Year 10: Teaching, Assessing and Reporting Policy

Design thinking skills

Teach

Innovative strategies

Enterprising behaviours

Authentic learning experiences

Assess

Formative assessment

Summative assessment