

# Multimedia: Design and Technologies

## Multimedia dimensions

### Design and Technologies - Years 7 and 8

#### Knowledge and Understanding

- 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)
- Analyse ways to produce designed solutions through selecting and combining characteristics and properties of materials, systems, components, tools and equipment (ACTDEK034)

#### Processes and Production Skills

- Critique needs or opportunities for designing and investigate, analyse and select from a range of materials, components, tools, equipment and processes to develop design ideas (ACTDEK035)
- Generate, develop, test and communicate design ideas, plans and processes for various audiences using appropriate technical terms and technologies including graphical representation techniques (ACTDEK036)
- Select and justify choices of materials, components, tools, equipment and techniques to effectively and safely make designed solutions (ACTDEK037)
- Independently develop criteria for success to evaluate design ideas, processes and solutions and their sustainability (ACTDEK038)
- Use project management processes when working individually and collaboratively to coordinate production of designed solutions (ACTDEK039)