



# YEAR 8 TECHNOLOGIES

DESIGN & TECHNOLOGIES  
DIGITAL TECHNOLOGIES

# YEAR 8 - 2021

- **All Year 7 students participate in a variety of Technology subjects throughout the year.**
- **There are four Technology subjects taught for a Semester only and run for a double period each week:**
  - Digital Technology
  - Product Design
  - Home Economics
  - Textiles



# Digital Technologies



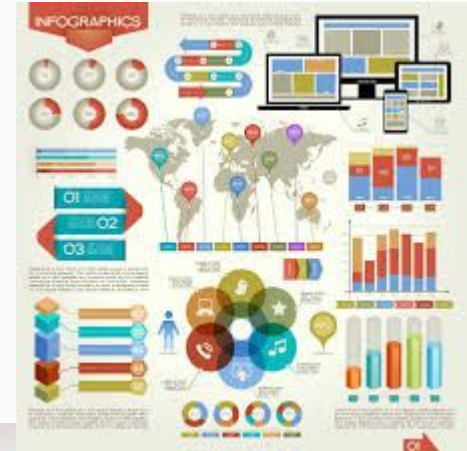
**Students are actively engaged in the processes of analysing problems, designing, developing and evaluating digital solutions, and creating and sharing information using computers.**

**Students learn to safely and ethically create digital solutions. These solutions and information are created through the application of computational, design and systems thinking, and technical skills.**

# Digital Technologies: continued

## Course Content:

- Web design
- Spreadsheets & Infographics
- Coding with Swift



# Home Economics



**The focus for this subject is to extend the students from the basic principles of food preparation and production taught in Year 7. The emphasis is on practical application.**

## **Course Content:**

- **Safety in the kitchen**

# Home Economics

- **Practical sessions producing a range of savoury and sweet items. The recipes used add a progression from what was taught in Year 7.**
- **Cooking terms and definitions.**
- **Evaluation of practical sessions.**
- **Home cooking as an extension of their practical work.**



# Textiles



**Students continue to develop their fibre and fabric knowledge and skills, to design and produce a range of products.**

**They develop their sewing machine skills and knowledge, and basic construction processes to create useful products.**

**Their understanding of the design brief, the design process and the design elements continue to develop.**

# Textiles: continued

## Course Content:

- Fibre and fabric properties and characteristics
- Basic sewing machine and construction
- Surface embellishment
- The design brief and specifications







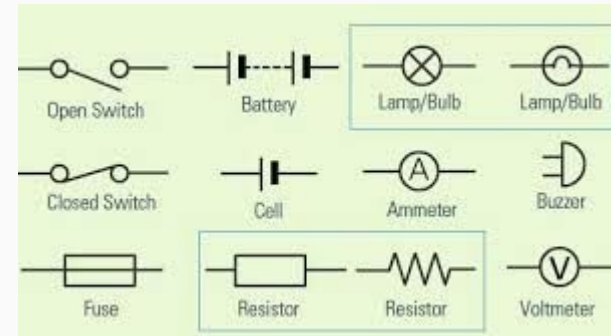
# Product Design

**This unit covers two areas of study – Materials and Systems. Students focus on the social and environmental implications of using various materials.**

**They use prior knowledge and a range of tools and equipment including some power tools to construct their products.**

# Product Design: continued

- **The Design brief and specifications. Students design, modify and construct a product for a client.**
- **Students draw a simple circuit using recognisable symbols and then build a device that requires a circuit.**

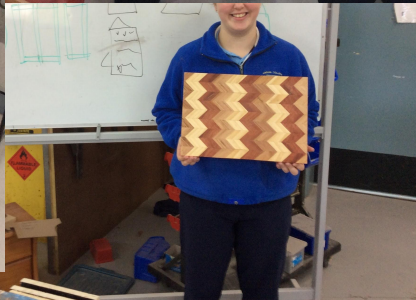


# SAMPLE WORK





# SAMPLE WORK



# FURTHER INFORMATION

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**Speak to: Year 8 Technology Teachers (Mrs North, Mr Peatt, Mrs Spalding, Mr Stewart, Mrs Venn, Mrs Wilson, Mrs Weir)**

**Refer to: Subject handbooks**

**Check us out on Instagram: foodandtechatmarianararat**

