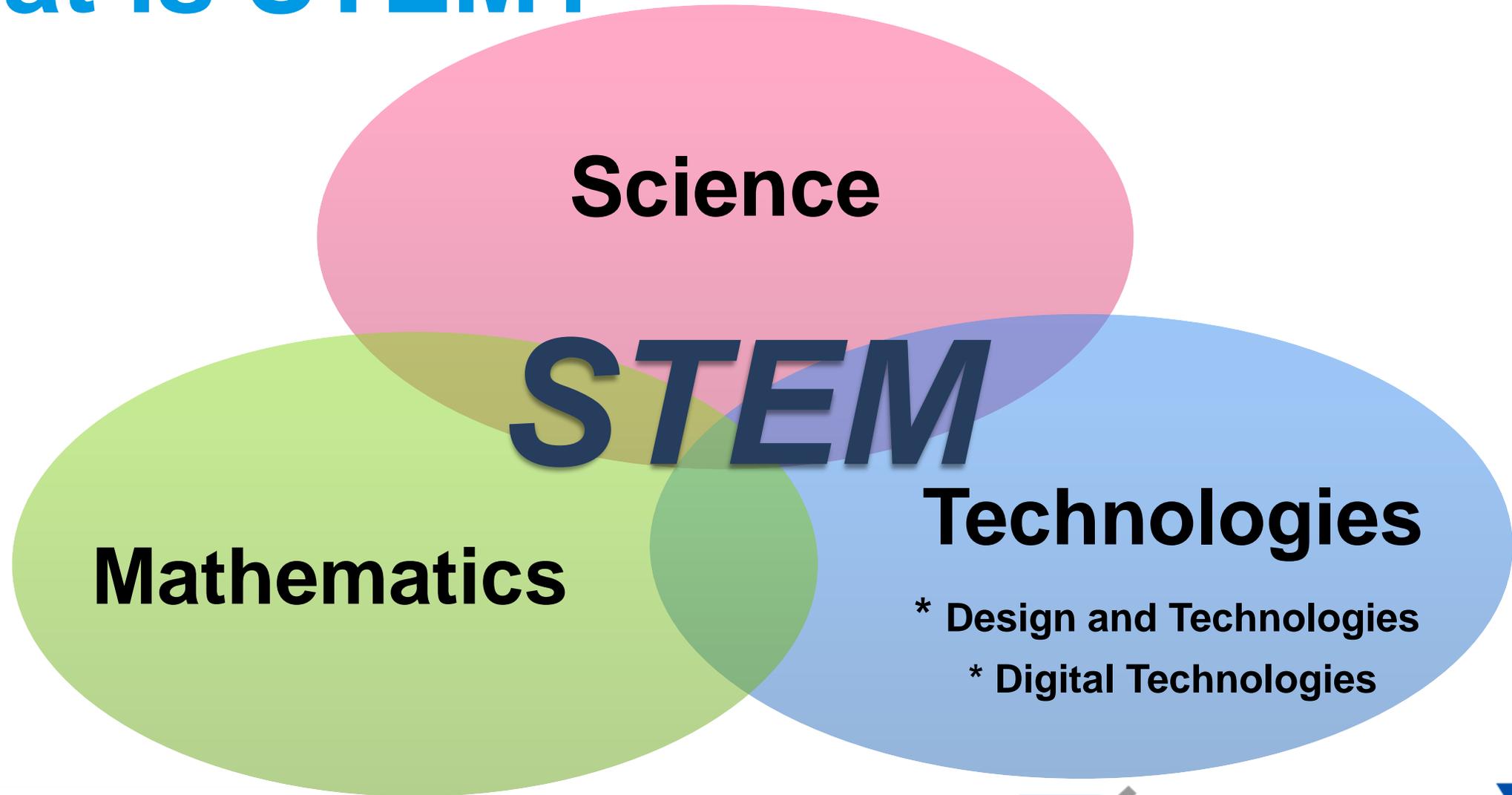


# Where is the E of STEM in the Victorian Curriculum F-10?

# What is STEM?



Problem/need  
/opportunity/  
situation

**STEM  
education**

**CONTENT  
KNOWLEDGE**

**INQUIRY  
PROCESS**

**SCIENCE**

**MATHEMATICS**

**DESIGN AND TECHNOLOGIES**

**DIGITAL TECHNOLOGIES**

**SCIENCE INQUIRY SKILLS**

**CREATING DESIGNED SOLUTIONS**

***E =  
Engineering***



# Design and Technologies

Strands	Technologies and Society	Technologies Contexts	Creating Designed Solutions
Sub- strands	No sub- strands	Engineering principles and systems	Investigating
		Food and fibre production	Generating
		Food specialisations	Producing
		Materials and technologies specialisations	Evaluating
			Planning and managing

# Design and Technologies

## Technologies Context

Engineering principles and systems explores:

- how forces can be used to create light, sound, heat, movement, control or support in systems
- how forces and the properties of materials affect the behaviour and performance of designed engineering solutions.

# Design and Technologies

## Creating Designed Solutions



### Creating Designed Solutions

- Investigating
- Generating
- Producing
- Evaluating
- Planning and managing

# Design brief

- problem / need / opportunity / situation
- criteria for success
- constraints
- available resources
- timeframe

**DESIGN BRIEF**

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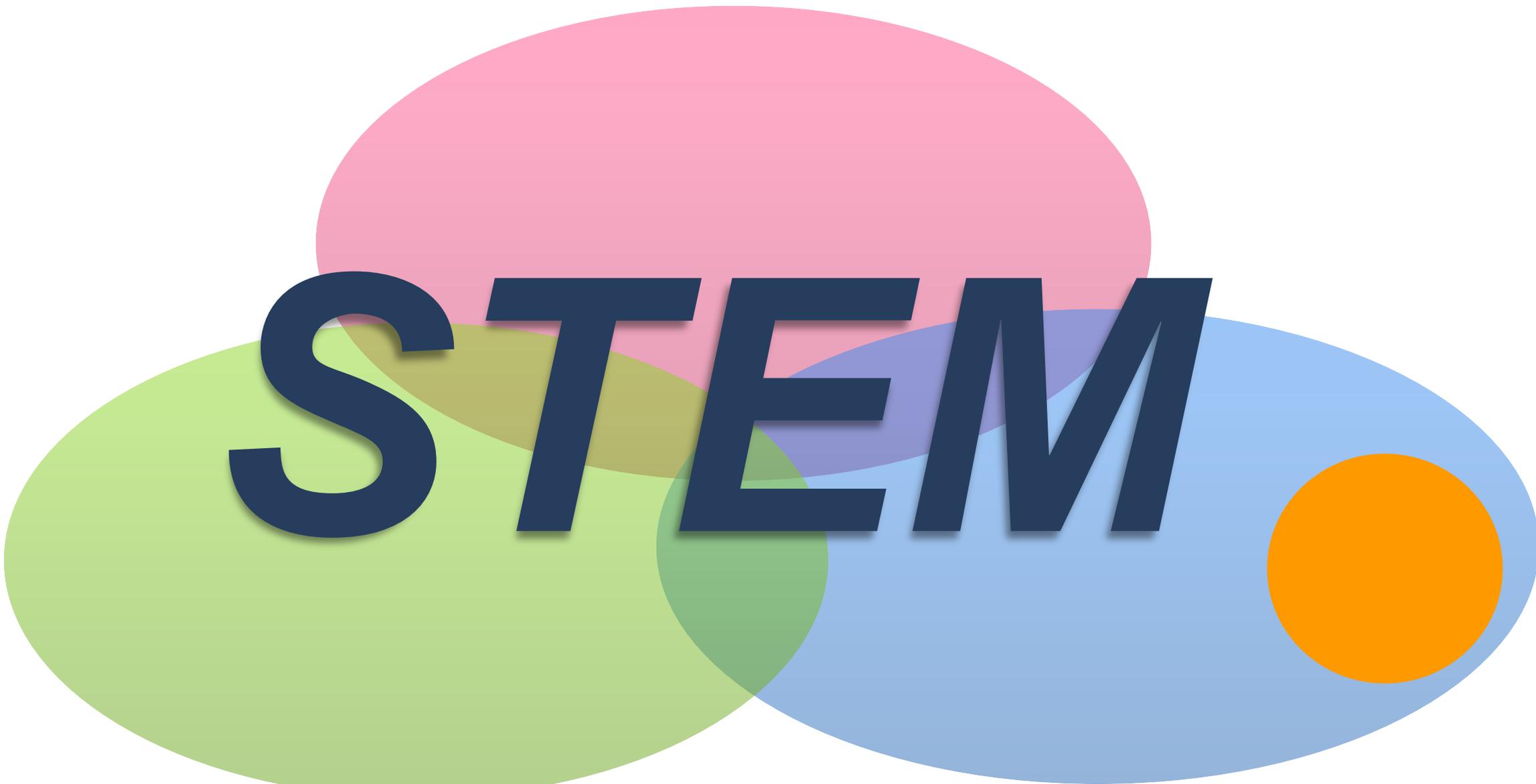
Problem / Challenge / Question:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Designed solution:  
\_\_\_\_\_

<p>Criteria: _____ _____ _____ _____</p>	<p>Constraints: _____ _____ _____ _____</p>
<p>Resources: _____ _____ _____ _____</p>	<p>Timeframe: _____ _____ _____</p>

Notes:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_





# STEM

Victorian Curriculum and Assessment Authority



# Victorian Curriculum

## Foundation–10

**Home** Overview Curriculum ▾ Levels ▾

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