KURRI KURRI HIGH SCHOOL
Creating Futures

2022 Scope & Sequence - Year 8 Technology Mandatory

TERM 1	2	3	4	5	6	7	8	9	10	11

ROTATION 1

Topic/Unit:
Food and Agriculture Technologies
Materials Technologies
Engineering Technologies
Digital Technologies

Food Outcomes:

TE4-1DP, TE4-2DP, TE4-3DP,
TE4-6FO

Materials Outcomes:

TE4-1DP, TE4-2DP, TE4-3DP,

TE4-9MA TE4 – 10TS

Engineering Outcomes:

TE4-1DP, TE4-2DP, TE4-3DP,

TE4-8EN TE4 – 10TS

Digital Outcomes:

TE4-1DP, TE4-2DP, TE4-3DP,

TE4-7DI, TE4 – 10TS

Skills:
Numeracy – understanding units of measurement, measuring time, understanding money,operating with decimals and/or interpreting fractions

Literacy – interpreting subject specific terminology, using subject specific terminology,Monitoring, and Summarising to develop research skills

4C's:
Communicating, Critical thinking, Creativity

	Assessment dates and weightings: Assessment Task – Design and Production Folio and Practical projects from class focus area. 30% weighting, Due Friday Week 1 Term 2	

TERM 2	AT1 Due	2	3	4	5	6	7	8	9	10

Subject specific skills -

Food Skills: - Investigating/researching Assessing/ evaluating WHS in the kitchen Design/ modify recipes
Techniques for dishes Correct use of equipment Application of safe food handling (processing, preparation and storage)

Engineering Skills: -

The Engineered Systems context focuses on how force, motion and energy can be used in systems, machines and structures. Students are provided with opportunities to experiment and develop prototypes to test their solutions. They understand how forces and the properties of materials affect the behaviour and performance of engineered systems, machines and structures. Knowledge of these principles and systems enables the design and production of sustainable, engineered solutions.

Material Skills: -

The Material Technologies context focuses on the application of specialist skills and

ROTATION 2

Topic/Unit:
Food and Agriculture Technologies
Materials Technologies
Engineering Technologies
Digital Technologies

Food Outcomes:

TE4-1DP, TE4-2DP, TE4-3DP,
TE4-6FO

Materials Outcomes:

TE4-1DP, TE4-2DP, TE4-3DP,

TE4-9MA TE4 – 10TS

Engineering Outcomes:

TE4-1DP, TE4-2DP, TE4-3DP,

TE4-8EN TE4 – 10TS

Skills:
Numeracy – understanding units of measurement, measuring time, understanding money,operating with decimals and/or interpreting fractions

Literacy – interpreting subject specific terminology, using subject specific terminology,Monitoring, and Summarising to develop research skills

4C's:
Communicating, Critical thinking, Creativity

	techniques to a broad range of traditional, contemporary and advancing materials. Students develop knowledge and understanding of the characteristics and properties of a range of materials through research, experimentation and practical investigation, and then they will make products to satisfy identified needs and opportunities. **Digital Skills: -** The Digital Technologies context encourages students to develop an empowered attitude towards digital technologies, use abstractions to represent and decompose real-world problems, and implement and evaluate digital solutions. Students have the opportunity to become innovative creators of digital technologies in addition to effective users of digital systems and critical consumers of the information they convey. Students are provided with opportunities to develop fluency in a general-purpose programming language and use these skills to solve information problems and to automate repetitive tasks.	**Digital Outcomes:** TE4-1DP, TE4-2DP, TE4-3DP, TE4-7DI, TE4 – 10TS **Assessment dates and weightings:** Assessment Task – Design and Production Folio and Practical projects from class focus area. 35% weighting, Due Friday Week 4 Term 3	

TERM 3	1	2	3	AT2 Due	5	6	7	8	9	10

Subject specific skills -

Food Skills: - Investigating/researching
Assessing/ evaluating WHS in the kitchen Design/ modify recipes
Techniques for dishes Correct use of equipment Application of safe food handling (processing, preparation and storage)

Engineering Skills: -

The Engineered Systems context focuses on how force, motion and energy can be used in systems, machines and structures. Students are provided with opportunities to experiment and develop prototypes to test their solutions. They understand how forces and the properties of materials affect the behaviour and performance of engineered systems, machines and structures. Knowledge of these principles and systems enables the design and production of sustainable, engineered solutions.

Material Skills: -

The Material Technologies context focuses on the application of specialist skills and techniques to a broad range of traditional, contemporary and advancing materials. Students develop knowledge and understanding of the characteristics and properties of a range of materials through research, experimentation and practical investigation, and then they will make products to satisfy identified needs and opportunities.

Digital Skills: -

The Digital Technologies context encourages students to develop an empowered attitude towards digital technologies, use abstractions to represent and decompose real-world problems, and implement and evaluate digital solutions. Students have the opportunity to become innovative creators of digital technologies in addition to effective users of digital systems and critical consumers of the information they convey.

Students are provided with opportunities to develop fluency in a general-purpose programming language and use these skills to solve information problems and to automate repetitive tasks.

ROTATION 3

Topic/Unit:
Food and Agriculture Technologies
Materials Technologies
Engineering Technologies
Digital Technologies

Food Outcomes:

TE4-1DP, TE4-2DP, TE4-3DP,
TE4-6FO

Materials Outcomes:

TE4-1DP, TE4-2DP, TE4-3DP,

TE4-9MA TE4 – 10TS

Engineering Outcomes:

TE4-1DP, TE4-2DP, TE4-3DP,

TE4-8EN TE4 – 10TS

Digital Outcomes:

TE4-1DP, TE4-2DP, TE4-3DP,

TE4-7DI, TE4 – 10TS

Assessment dates and weightings:

Assessment Task – Design and Production Folio and Practical projects from class focus area.

35% weighting,

Due Friday Week 5 Term 4

TERM 4	1	2	3	4	AT3 Due	6	7	8	9	10

Skills:

Numeracy – understanding units of measurement, measuring time, understanding money,operating with decimals and/or interpreting fractions

Literacy – interpreting subject specific terminology, using subject specific terminology,Monitoring, and Summarising to develop research skills

4C's:

Communicating, Critical thinking, Creativity

Subject specific skills -

Food Skills: - Investigating/researching
Assessing/ evaluating WHS in the kitchen Design/ modify recipes
Techniques for dishes Correct use of equipment Application of safe food handling (processing, preparation and storage)

Engineering Skills: -

The Engineered Systems context focuses on how force, motion and energy can be used in systems, machines and structures. Students are provided with opportunities to experiment and develop prototypes to test their solutions. They understand how forces and the properties of materials affect the behaviour and performance of engineered systems, machines and structures. Knowledge of these principles and systems enables the design and production of sustainable, engineered solutions.

Material Skills: -

The Material Technologies context focuses on the application of specialist skills and techniques to a broad range of traditional, contemporary and advancing materials. Students develop knowledge and understanding of the characteristics and properties of a range of materials through research, experimentation and practical investigation, and then they will make products to satisfy identified needs and opportunities.

Digital Skills: -

The Digital Technologies context encourages students to develop an empowered attitude towards digital technologies, use abstractions to represent and decompose real-world problems, and implement and evaluate digital solutions. Students have the opportunity to become innovative creators of digital technologies in addition to effective users of digital systems and critical consumers of the information they convey.

Students are provided with opportunities to develop fluency in a general-purpose programming language and use these skills to solve information problems and to automate repetitive tasks.