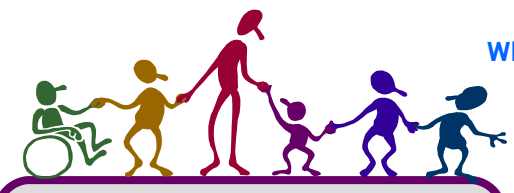
YR6	YR7	YR8	YR9	YR10	YR11
LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	

Year 7: Rotation 1



He aha te mea nui o te ao? He tangata ! He tangata! He tangata!
What is the most important thing in the world ? It is people! It is people! It is people!
E raka te mauī, e raka te katau
A community can use all the skills of its people

Technological Knowledge

Technological Modelling

Learning Objective:
Students to develop an understanding of how functional modelling is used to develop ideas.
Functional modelling will be a part of each rotation. A range of modelling materials will be used across the technological areas.

Technological Products

Students gain knowledge and an understanding of the materials / processes that they will be using in their technological outcome and why they are suitable.

Students are taught about the materials / applications they will be using, and why they are suitable through teaching about their properties and characteristics.

Generic Key Word List

Technology, Technological
Technologies
Outcome, outcomes
Attribute, attributes
Product, products
Context
Issue
Need
Opportunity
Conceptual Statement
Nature, natural
Build, built
Man-made
World
Environment
Purpose
Function
Identify, identified
Compare, comparison, comparing
Quality

Technological Practice
Process Skills

Brief Development

Learning Objective:
Students learn what a context is and how an issue comes from one and leads to a need or opportunity.

Students are given the context 'People and Technology' and are guided to the issue of 'The Made World'. Each rotation will select a possible need or opportunity from that point and give students a conceptual statement.

Identify attributes as a class.

Planning for practice

Learning Objective:
Students become familiar with what a making plan looks like, and how to use one.

Students are given a making plan / set of sequenced instructions to follow during this rotation.
[More able students may personalise these]

USED WITHIN MAKING STAGE

Outcome development and evaluation

Learning Objective:
Students to become familiar with some basic tools and equipment and to experience practical work in each technological area. Students learn how to compare their outcome with the identified attributes.

Students are to follow the given making plan [which they may have personalised] to make a technological outcome. Students are then taught how to compare their completed outcome against the list of identified attributes. Assessed by teacher set 'Quality' criteria.

Nature of Technology
Week 1 - all areas

Characteristics of Technology

Learning Objective:
To gain knowledge and an understanding of:
- What is Technology
- What are technological outcomes
- About the 'made' world

Students are taken through an introduction into Technology. Starting with a PowerPoint entitled, 'Technology - What's it all about ?' in the shared Technology area in the folder for YEAR 7. Followed by a set of generic activities.

Characteristics of Technological Outcomes

Learning Objective:
Students to understand what an attribute is and to be able to identify a range of attributes within different technological outcomes.

Students to be given product analysis activities to identify their attributes, purpose and functions.

Year 7 Overall Learning Aims for the Year:

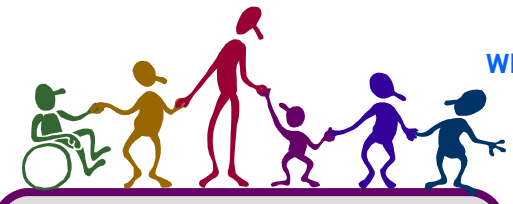
- Clear understanding of what 'Technology' is [assessed CoT]
- Clear understanding of what constitutes a technological outcome [assessed CoTO]
- An awareness of the project stages core to all areas within technology [taught but not assessed TP]
- Able to identify attributes of technological outcomes [assessed CoTO]
- Gain knowledge and experience of materials, processes and equipment within products design, food technology and digital technologies to produce a technological outcome [formative assessments: feed forward comments to students TK]
- An understanding of how modelling can be used to generate ideas [taught but not assessed TK]

YR6	YR7	YR8	YR9	YR10	YR11
LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	

Year 7: Rotation 2

He aha te mea nui o te ao? He tangata ! He tangata! He tangata!
What is the most important thing in the world ? It is people! It is people! It is people!
E raka te mauī, e raka te katau
A community can use all the skills of its people

Context is 'People and Technology'.



Technological Knowledge

Technological Modelling

Learning Objective:
Students to develop an understanding of how functional modelling is used to develop ideas.
Functional modelling will be a part of each rotation. A range of modelling materials will be used across the technological areas.

Technological Products

Learning Objective:
Students gain knowledge and an understanding of the materials / processes that they will be using in their technological outcome and why they are suitable.

Students are taught about the materials / applications they will be using, and why they are suitable through teaching about their properties and characteristics.

NB: Knowledge will build up across the three rotations across the different technological areas over the year.

Generic Key Word List

Technology, Technological
Technologies
Outcome, outcomes
Attribute, attributes
Product, products
Context
Issue
Need
Opportunity
Conceptual Statement
Nature, natural
Build, built
Man-made
World
Environment
Purpose
Function
Identify, identified
Compare, comparison, comparing
Quality

Technological Practice
Process Skills

Brief Development

Learning Objective:
Students continue to learn what a context is and how an issue comes from one and leads to a need or opportunity.

Students are given the context 'People and Technology' and are guided to the issue of 'The Made World'. Each rotation will select a possible need or opportunity from that point and give students a conceptual statement.

Identify attributes as a class.

Planning for practice

Learning Objective:
Students become familiar with what a making plan looks like, and how to use one.

Students are given a making plan / set of sequenced instructions to follow during this rotation.
[More able students may personalise these]

NB: The structure of plans will be varied across the three technological areas over the year due to their nature.

USED WITHIN MAKING STAGE

Outcome development and evaluation

Learning Objective:
Students to become familiar with some basic tools and equipment and to experience practical work in each technological area. Students learn how to compare their outcome with the identified attributes.

Students are shown how to LABEL attributes on a given drawing or a drawing of their own idea. Students are to follow the given making plan, which they may have personalised to make a technological outcome. Students are then taught how to compare their completed outcome against the list of identified attributes. Assessed by teacher set 'Quality' criteria.

NB: Knowledge will build up across the three rotations across the different technological areas over the year.

Nature of Technology
Week 1 - all areas

Characteristics of Technology [1WEEK]

Learning Objective:
To gain knowledge and an understanding of :
- how technological outcomes can expand human possibilities
- how technology helps to create the made world

Students are taken through an introductory PowerPoint called 'Technology and Humans' in the shared Technology area in the folder for YEAR 7.

This is followed by a set of generic activities for this rotation.

Characteristics of Technological Outcomes

Learning Objective:
Students to understand what an attribute is and to be able to identify a range of attributes within different technological outcomes.

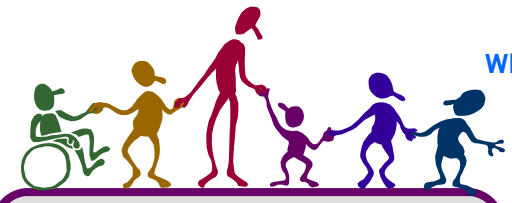
Students to be given product analysis activities to identify their attributes, purpose and functions.

NB: A range of different products will be analysed over the year across the three technological areas to build and strengthen students understandings over the year.

Year 7 Overall Learning Aims for the Year:
- Clear understanding of what 'Technology' is [assessed CoT]
- Clear understanding of what constitutes a technological outcome [assessed CoTO]
- An awareness of the project stages core to all areas within technology [taught but not assessed TP]
- Able to identify attributes of technological outcomes [assessed CoTO]
- Gain knowledge and experience of materials, processes and equipment within products design, food technology and digital technologies to produce a technological outcome [formative assessments: feed forward comments to students TK]
- An understanding of how modelling can be used to generate ideas [taught but not assessed TK]

YR6	YR7	YR8	YR9	YR10	YR11
LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	

Year 7: Rotation 3



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A community can use all the skills of its people

Technological Knowledge

Technological Modelling

Learning Objective:
Students to develop an understanding of how functional modelling is used to develop ideas.
Functional modelling will be a part of each rotation. A range of modelling materials will be used across the technological areas.

Technological Products

Learning Objective:
Students gain knowledge and an understanding of the materials / processes that they will be using in their technological outcome and why they are suitable.

Students are taught about the materials / applications they will be using, and why they are suitable through teaching about their properties and characteristics.

NB: Knowledge will build up across the three rotations across the different technological areas over the year.

Generic Key Word List

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Function
Identify, identified
Compare, comparison, comparing
Quality

Technological Practice
Process Skills

Brief Development

Learning Objective:
Students continue to strengthen their understanding of what a context is and how an issue comes from one and leads to a need or opportunity.

Students are given the context 'People and Technology' and are guided to the issue of 'The Made World'. Each rotation will select a possible need or opportunity from that point and guide students to personalise a given conceptual statement using the 5 W's - Who, What, Why, When, Where.

Identify attributes as a class.

Planning for practice

Learning Objective:
Students become familiar with what a making plan looks like, and how to use one.

Students are given a making plan / set of instructions to follow or sequence and follow during this rotation.
[More able students may personalise these]

NB: The structure of plans will be varied across the three technological areas over the year due to their nature.

USED WITHIN MAKING STAGE

Outcome development and evaluation

Learning Objective:
Students to become familiar with some basic tools and equipment and to experience practical work in each technological area. Students learn how to compare their outcome with the identified attributes.

Students are shown how to LABEL attributes on a given drawing or a drawing of their own idea. Students are to follow the given making plan, which they may have personalised to make a technological outcome. Students are then taught how to compare their completed outcome against the list of identified attributes. Assessed by teacher set 'Quality' criteria.

NB: Knowledge will build up across the three rotations across the different technological areas over the year.

Nature of Technology
Week 1 - all areas

Characteristics of Technology [1WEEK]

Learning Objective:
To gain knowledge and an understanding of :
- how technological outcomes can expand human possibilities
- how technology helps to create the made world

Students are taken through an introductory PowerPoint called 'Technology and Humans' in the shared Technology area in the folder for YEAR 7.

This is followed by a set of generic activities for this rotation.

Characteristics of Technological Outcomes

Learning Objective:
To understand some attributes are key to the success of a technological outcome whereas others are not.

Students are given a range of technological outcomes to identify attributes they feel are key to their success.
[This could be similar to the intended outcome or not, they could range from historical to present, bearing in mind historical does not just mean 'old'. A version that has been replaced by a new model then becomes 'historical']

Year 7 Overall Learning Aims for the Year:
- Clear understanding of what 'Technology' is [assessed CoT]
- Clear understanding of what constitutes a technological outcome [assessed CoTO]
- An awareness of the project stages core to all areas within technology [taught but not assessed TP]
- Able to identify attributes of technological outcomes [assessed CoTO]
- Gain knowledge and experience of materials, processes and equipment within products design, food technology and digital technologies to produce a technological outcome [formative assessments: feed forward comments to students TK]
- An understanding of how modelling can be used to generate ideas [taught but not assessed TK]