

on the

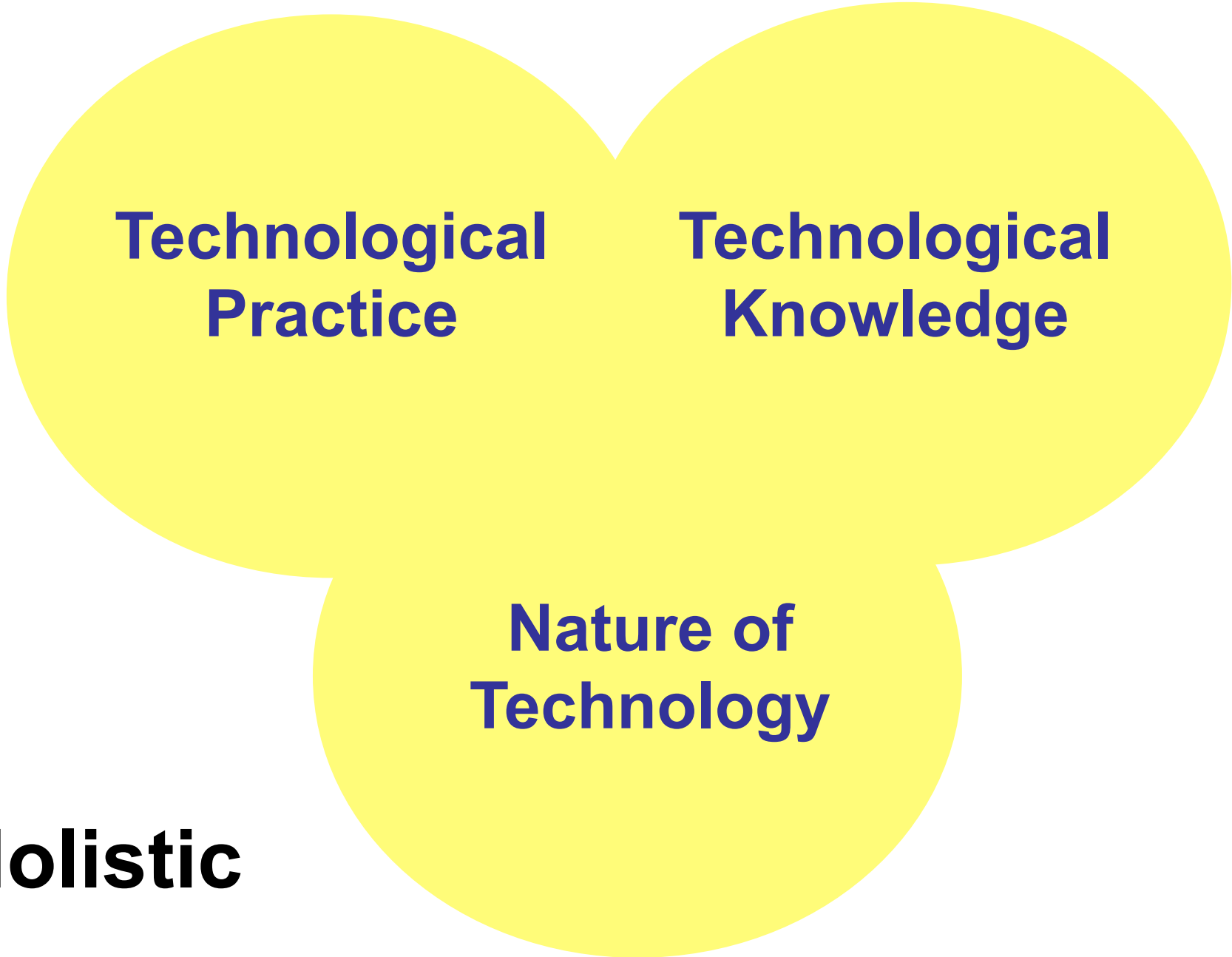
Technology Curriculum

**Technological
Practice**

**Technological
Knowledge**

**Nature of
Technology**

The strands



Holistic

Looking Ahead

**What are we
going to do and
how are we going
to do it?**

**What
technological
knowledge will be
needed?**

**What is
technology? How
are people and/or
the environment
involved?**

Holistic

Looking Back

**What was done
and how did it
work?**

**What
technological
knowledge was
needed?**

**What is
technology? How
were people and/or
the environment
involved?**

Holistic

Planning for practice

Students will :

- plan
- identify stages and steps
- identify resources
- make decisions that matter
- look back and think ahead
- consider other people's feedback

planning



Brief development

Students will :

- consider what they are going to create, make, or do.
- think about needs and opportunities
- describe attributes or specifications
- consider available resources
- write and modify a brief

In choosing materials for the garden surround the class jointly decided that it would have to be:

safe to sit on
weatherproof
won't go rotten
easy for Room 3 children to work with

They chose wood for their structure because

it is easy to nail and put together
it is strong

it is weatherproof so it won't go rotten in the weather.
it is safe to sit on

specifying

Outcome development and evaluation

Students will:

- explore/investigate a context, situation
- develop ideas for possible outcomes
- evaluate ideas against attributes (BD)
- select an outcome
- develop the outcome
- evaluate the outcome in terms of the need/opportunity

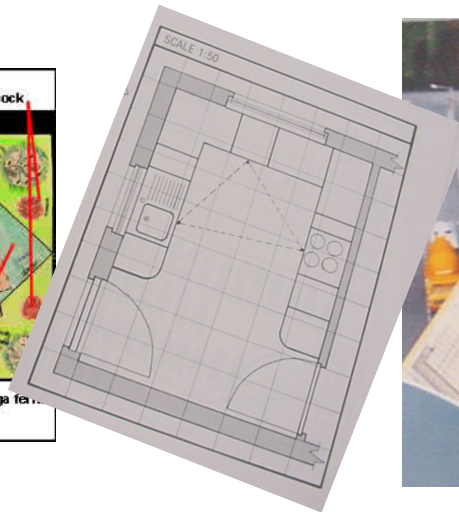
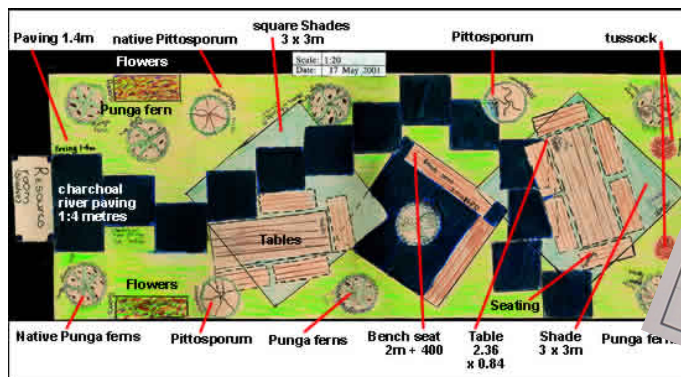


doing

Technological modeling

Students will:

- use models to represent and justify their ideas
- use models to test design concepts
- create prototypes and evaluate
- understand the functions of models



Technological products

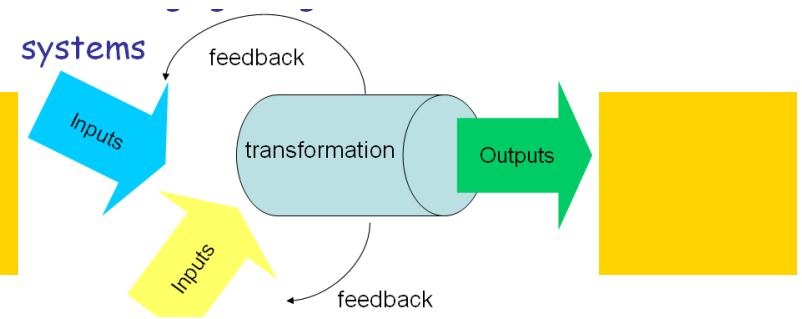
Students will:

- examine materials
- examine products
- identify performance properties
- understand relationships between performance properties and products
- form, manipulate and transform materials



properties

Technological systems



Students will:

- identify inputs, outputs and transformations
- use and understand the language/symbols used to represent systems.
- Understand relationships within systems.
- Understand how transformations are controlled.
- Understand the role of the “black box”.

systems

Characteristics of technology

Students will:

- understand that technology is purposeful intervention by design.
- understand that technology increases human capabilities and possibilities.
- Understand that technology impacts on and is influenced by society and the environment
- Understand that technology draws on knowledge from a wide range of disciplines.

Characteristics

Characteristics of technological outcomes

Students will:

- understand that technological outcomes are systems and products developed by people through technological practice.
- Understand that systems and products have a related functional and a physical nature
- Understand that fitness for purpose is related to the functional and physical nature of outcomes
- Understand that alternative functions may be devised for products and systems



function and form