

How the World Works

An inquiry into the natural world and its laws; the interaction between the natural world (physical and biological) and human societies; how humans use their understanding of scientific principals; the impact of scientific and technological advances on society and on the environment.

Central Idea

Living things depend on a healthy environment.

Key Concepts

Change Connection Reflection

Lines of Inquiry

- How plants and animals are adapted to the environment
- Where animals live in our environment and how their homes are like ours
- How Animals adapt to their hot or cold environment

PREP

How the World Works

An inquiry into the natural world and its laws; the interaction between the natural world (physical and biological) and human societies; how humans use their understanding of scientific principals; the impact of scientific and technological advances on society and on the environment.

Central Idea

Everyday materials can be physically changed in a variety of ways.

Key Concepts

Change Form Reflection

Lines of Inquiry

- How changing the properties of a material can change its use
- How objects are described according to their properties (colour, hardness, flexibility, density, shape and size - solid/liquid/gas)

YEAR 1

How the World Works

An inquiry into the natural world and its laws; the interaction between the natural world (physical and biological) and human societies; how humans use their understanding of scientific principals; the impact of scientific and technological advances on society and on the environment.

Central Idea

Our world is made of different materials which interact together.

Key Concepts

Change Form

Lines of Inquiry

- The difference between natural and man made materials
- How these materials are used in built environments
- The change materials go through when they are used

YEAR 2

How the World Works

An inquiry into the natural world and its laws; the interaction between the natural world (physical and biological) and human societies; how humans use their understanding of scientific principals; the impact of scientific and technological advances on society and on the environment.

Central Idea

Living things and non-living things are recognised by a set of characteristics which have a specific purpose.

Key Concepts

Form Function

Lines of Inquiry

- The purpose of features possessed by living and non-living things .
- Classification using the characteristics of living, non-living and once-living.
- The environment in which a creature lives can determine its features

YEAR 3

How the World Works

An inquiry into the natural world and its laws; the interaction between the natural world (physical and biological) and human societies; how humans use their understanding of scientific principals; the impact of scientific and technological advances on society and on the environment.

Central Idea

Forces exerted on one object by another can be explained using principles of science and technology.

Key Concepts

Form Function Causation

Lines of Inquiry

- How objects move in relation to forces exerted upon them
- How friction can influence movement
- How design can determine how an object moves

YEAR 4

How the World Works

An inquiry into the natural world and its laws; the interaction between the natural world (physical and biological) and human societies; how humans use their understanding of scientific principals; the impact of scientific and technological advances on society and on the environment.

Central Idea

Matter takes on different properties and is used in many ways.

Key Concepts

Change Form

Lines of Inquiry

- The properties of Matter
- How the properties of certain matter can be changed
- How the properties of a matter determine the way it is used

YEAR 5

How the World Works

An inquiry into the natural world and its laws; the interaction between the natural world (physical and biological) and human societies; how humans use their understanding of scientific principals; the impact of scientific and technological advances on society and on the environment.

Central Idea

Scientific processes create links between human society and the natural world.

Key Concepts

Causation Connection Function

Lines of Inquiry

- Sources, production and application of electricity
- Physical and chemical changes to materials
- Scientists conduct fair tests to make informed statements

Sharing the Planet

An inquiry into the rights and responsibilities in the struggle to share finite resources with other people and with other living things; communities and the relationships within and between them; access to equal opportunities; peace and conflict resolution.

Central Idea

Personal choices cultivate environments.

Key Concepts

Responsibility Connection Reflection

Lines of Inquiry

- The impact we are having on our environment
- How the nature refuge is different to the college grounds
- How we can look after the environment
- How we each can have an impact on the environment – positive or negative

PREP

Sharing the Planet

An inquiry into the rights and responsibilities in the struggle to share finite resources with other people and with other living things; communities and the relationships within and between them; access to equal opportunities; peace and conflict resolution.

Central Idea

Living things have external features that enable them to live in different places.

Key Concepts

Form Causation

Lines of Inquiry

- common features of animals and plants.
- different habitats in our local environment. (seashore, bush, garden)

YEAR 1

Sharing the Planet

An inquiry into the rights and responsibilities in the struggle to share finite resources with other people and with other living things; communities and the relationships within and between them; access to equal opportunities; peace and conflict resolution.

Central Idea

People use the natural environment in different ways and with different outcomes.

Key Concepts

Causation Responsibility

Lines of Inquiry

- Different natural environments and their features and resources and how they have changed over time
- The actions of humans have a direct consequence on the natural environment
- The conservation of water and how we can take action to protect this finite resource

YEAR 2

Sharing the Planet

An inquiry into the rights and responsibilities in the struggle to share finite resources with other people and with other living things; communities and the relationships within and between them; access to equal opportunities; peace and conflict resolution.

Central Idea

Story-telling preserves cultural traditions and beliefs in indigenous communities.

Key Concepts

Perspective Connection

Lines of Inquiry

- Stories associated with the local indigenous language groups.
- Story-telling traditions and their link to culture.
- Cultural beliefs passed on through story-telling.

YEAR 3

Sharing the Planet

An inquiry into the rights and responsibilities in the struggle to share finite resources with other people and with other living things; communities and the relationships within and between them; access to equal opportunities; peace and conflict resolution.

Central Idea

Our personal choices can have an impact on our environment.

Key Concepts

Connection Perspective Responsibility

Lines of Inquiry

- What an ecological footprint measures
- Why it is important to reduce our ecological footprint
- How I can reduce my footprint

YEAR 4

Sharing the Planet

An inquiry into the rights and responsibilities in the struggle to share finite resources with other people and with other living things; communities and the relationships within and between them; access to equal opportunities; peace and conflict resolution.

Central Idea

Humans have adapted in response to their environments over time.

Key Concepts

Change Causation

Lines of Inquiry

- Human endeavours to adapt to many environments
- How adaptations cause living things to survive

YEAR 5

Sharing the Planet

An inquiry into the rights and responsibilities in the struggle to share finite resources with other people and with other living things; communities and the relationships within and between them; access to equal opportunities; peace and conflict resolution.

Central Idea

There are consequences for how we use and share finite resources around the world.

Key Concepts

Change Causation Responsibility

Lines of Inquiry

- Human impacts on finite resources
- How people share finite resources
- Our responsibility for sustainable practices

How We Organise Ourselves

An inquiry into the interconnectedness of human-made systems and communities; the structure and function of organisations; societal decision making; economic activities and their impact on humankind and the environment.

Central Idea

Roles are interdependent within communities.

Key Concepts

Function Responsibility

Lines of Inquiry

- The different functions people have in communities.
- Definitions Roles / Responsibilities
- The different skills required by different roles

PREP

How We Organise Ourselves

An inquiry into the interconnectedness of human-made systems and communities; the structure and function of organisations; societal decision making; economic activities and their impact on humankind and the environment.

Central Idea

Schools are organised to help us learn together.

Key Concepts

Responsibility Function

Lines of Inquiry

- Responsibilities and roles of students
- The routines and tools that help people get organised.

YEAR 1

How We Organise Ourselves

An inquiry into the interconnectedness of human-made systems and communities; the structure and function of organisations; societal decision making; economic activities and their impact on humankind and the environment.

Central Idea

The production and consumption of goods are involved in a process of change.

Key Concepts

Change Function

Lines of Inquiry

- How seasonal changes and weather patterns can affect the production of goods
- The production of food and the changes it goes through
- How living things grow and change
- How animals have offspring similar to themselves

YEAR 2

How We Organise Ourselves

An inquiry into the interconnectedness of human-made systems and communities; the structure and function of organisations; societal decision making; economic activities and their impact on humankind and the environment.

Central Idea

Systems of rights and responsibilities provide a framework for the way people behave in a community.

Key Concepts

Responsibility Perspective

Lines of Inquiry

- Rules and code of behaviour of our local community
- Democratic decision making within our community
- How voting is used to make decisions

YEAR 3

How We Organise Ourselves

An inquiry into the interconnectedness of human-made systems and communities; the structure and function of organisations; societal decision making; economic activities and their impact on humankind and the environment.

Central Idea

Consumers make informed choices based on economic knowledge

Key Concepts

Causation Perspective Connection

Lines of Inquiry

- Cost is a factor that influences purchasing decisions
- A range of data can be collected and analysed to investigate spending decisions
- Materials selected for making a product can influence cost

YEAR 4

How We Organise Ourselves

An inquiry into the interconnectedness of human-made systems and communities; the structure and function of organisations; societal decision making; economic activities and their impact on humankind and the environment.

Central Idea

Social structures and relationships between groups impact upon members of a society.

Key Concepts

Form Function Connection

Lines of Inquiry

- The causes of a new colony formation
- The way a society functions
- How different people in a society are connected

YEAR 5

How We Organise Ourselves

An inquiry into the interconnectedness of human-made systems and communities; the structure and function of organisations; societal decision making; economic activities and their impact on humankind and the environment.

Central Idea

Systems influence how a nation operates.

Key Concepts

Responsibility Reflection Perspective

Lines of Inquiry

- Nations have systems of Government
- Australia's legal system is founded on national values
- Economic systems are influenced by government

How We Express Ourselves

An inquiry into the ways in which we discover and express ideas, feelings, nature, culture, beliefs and values; the ways in which we reflect on, extend and enjoy our creativity; our appreciation of the aesthetic.

Central Idea

People in communities use different forms of communication and celebrate in different ways.

Key Concepts

Function Causation Change

Lines of Inquiry

- The many forms of communication
- How communication methods have changed over time
- The importance of communication
- How and why we celebrate Christmas and other major events

PREP

How We Express Ourselves

An inquiry into the ways in which we discover and express ideas, feelings, nature, culture, beliefs and values; the ways in which we reflect on, extend and enjoy our creativity; our appreciation of the aesthetic.

Central Idea

Stories can be told in a variety of ways.

Key Concepts

Function Perspective

Lines of Inquiry

- Different ways to interpret stories
- How we can use drama to express ourselves

YEAR 1

How We Express Ourselves

An inquiry into the ways in which we discover and express ideas, feelings, nature, culture, beliefs and values; the ways in which we reflect on, extend and enjoy our creativity; our appreciation of the aesthetic.

Central Idea

Our ability to think, create and express ourselves is fuelled by our imagination.

Key Concepts

Perspective Reflection

Lines of Inquiry

- How we demonstrate and enjoy our imagination
- How our imagination helps us to consider other perspectives
- The value of imagination

YEAR 2

How We Express Ourselves

An inquiry into the ways in which we discover and express ideas, feelings, nature, culture, beliefs and values; the ways in which we reflect on, extend and enjoy our creativity; our appreciation of the aesthetic.

Central Idea

People express their thoughts feelings and ideas through story writing.

Key Concepts

Form Function Reflection

Lines of Inquiry

- The properties that make an effective story
- The purpose for which a story is created
- A good author reflects on and edits their story

YEAR 3

How We Express Ourselves

An inquiry into the ways in which we discover and express ideas, feelings, nature, culture, beliefs and values; the ways in which we reflect on, extend and enjoy our creativity; our appreciation of the aesthetic.

Central Idea

Technology allows us to express ourselves in different ways.

Key Concepts

Form Function Perspective

Lines of Inquiry

- Physical senses may influence our perspective
- Stories can be presented in different ways
- Our uniqueness influences the way we express ourselves

YEAR 4

How We Express Ourselves

An inquiry into the ways in which we discover and express ideas, feelings, nature, culture, beliefs and values; the ways in which we reflect on, extend and enjoy our creativity; our appreciation of the aesthetic.

Central Idea

Different perspectives can be expressed through language.

Key Concepts

Perspective Reflection

Lines of Inquiry

- The impact of the Gold Rush on Australia's multicultural society
- The way oral and written language reflect different perspectives
- The factors behind human migration

YEAR 5

How We Express Ourselves

An inquiry into the ways in which we discover and express ideas, feelings, nature, culture, beliefs and values; the ways in which we reflect on, extend and enjoy our creativity; our appreciation of the aesthetic.

Central Idea

Innovations are inspired by and influence the world we live in.

Key Concepts

Perspective Function Connection

Lines of Inquiry

- Inventors have a direct effect on people's lives
- Science is used to solve problems
- Science allows people to express their creative views

Where We Are In Place and Time

An inquiry into orientation in place and time; personal histories; homes and journeys; the discoveries, explorations and migrations of humankind; the relationships between and the interconnectedness of individuals and civilisations, from local and global perspectives.

Central Idea

To understand and develop we need to explore who we are and from where we have come.

Key Concepts

Causation Change

Lines of Inquiry

- Our physical changes from birth to present
- How the school day is organized
- My skills and abilities and how these develop

PREP

Where We Are In Place and Time

An inquiry into orientation in place and time; personal histories; homes and journeys; the discoveries, explorations and migrations of humankind; the relationships between and the interconnectedness of individuals and civilisations, from local and global perspectives.

Central Idea

Past and present life has similarities and differences.

Key Concepts

Change Reflection

Lines of Inquiry

- How families change over time
- Artefacts from the past

YEAR 1

Where We Are In Place and Time

An inquiry into orientation in place and time; personal histories; homes and journeys; the discoveries, explorations and migrations of humankind; the relationships between and the interconnectedness of individuals and civilisations, from local and global perspectives.

Central Idea

Technology changes peoples lives.

Key Concepts

Function Causation Change

Lines of Inquiry

- How simple machines work
- How travel, communication and play have changed over time
- How technology has contributed to these changes

YEAR 2

Where We Are In Place and Time

An inquiry into orientation in place and time; personal histories; homes and journeys; the discoveries, explorations and migrations of humankind; the relationships between and the interconnectedness of individuals and civilisations, from local and global perspectives.

Central Idea

Those who have come before us influence the way we live today.

Key Concepts

Causation Change

Lines of Inquiry

- Changes and developments in the local community over time
- The impact of people from diverse backgrounds on the community

YEAR 3

Where We Are In Place and Time

An inquiry into orientation in place and time; personal histories; homes and journeys; the discoveries, explorations and migrations of humankind; the relationships between and the interconnectedness of individuals and civilisations, from local and global perspectives.

Central Idea

Human migration is a response to challenges, risks and opportunities.

Key Concepts

Causation Connection Change

Lines of Inquiry

- The reasons why people were transported to Australia
- The conditions for the convicts on the journey and when they first arrived at their destination
- Migration can be viewed from different view points

YEAR 4

Where We Are In Place and Time

An inquiry into orientation in place and time; personal histories; homes and journeys; the discoveries, explorations and migrations of humankind; the relationships between and the interconnectedness of individuals and civilisations, from local and global perspectives.

Central Idea

Human endeavours enable an understanding of place and space.

Key Concepts

Connection Function

Lines of Inquiry

- Space exploration as a human endeavour
- The Earth's position in the Solar System
- How light from a source can be absorbed, reflected and refracted

YEAR 5

Where We Are In Place and Time

An inquiry into orientation in place and time; personal histories; homes and journeys; the discoveries, explorations and migrations of humankind; the relationships between and the interconnectedness of individuals and civilisations, from local and global perspectives.

Central Idea

Human rights impact our lives.

Key Concepts

Form Change Perspective

Lines of Inquiry

- Our basic human rights
- The rights of people in different cultures
- How human rights are linked to migration

Who We Are

An inquiry into the nature of self; beliefs and values; personal, physical, mental, social and spiritual health; human relationships including families, friends, communities and cultures; rights and responsibilities; what it means to be human.

Central Idea

Similarities and differences bring people together.

Key Concepts

Perspective Connection

Lines of Inquiry

- Our physical Characteristics – similarities and differences
- My role within my family

Who We Are

An inquiry into the nature of self; beliefs and values; personal, physical, mental, social and spiritual health; human relationships including families, friends, communities and cultures; rights and responsibilities; what it means to be human.

Central Idea

Diversity exists within communities.

Key Concepts

Connection Perspective

Lines of Inquiry

- Traditional tales from around the world
- The cultures in the community

Who We Are

An inquiry into the nature of self; beliefs and values; personal, physical, mental, social and spiritual health; human relationships including families, friends, communities and cultures; rights and responsibilities; what it means to be human.

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An inquiry into the nature of self; beliefs and values; personal, physical, mental, social and spiritual health; human relationships including families, friends, communities and cultures; rights and responsibilities; what it means to be human.

Central Idea

Rights and responsibilities are a part of local communities.

Key Concepts

Responsibility Connection Perspective

Lines of Inquiry

- Our rights and responsibilities at school, home and within our own community
- Codes of behaviour at school, home and within our community

Central Idea

We celebrate and commemorate occasions for a variety of reasons.

Key Concepts

Function Connection

Lines of Inquiry

- The reasons days and weeks celebrated and commemorated around the world.
- The commonalities and differences of celebrations and commemorations around the world.
- The significance and origin of symbols and emblems.

YEAR 2

YEAR 3

Who We Are

An inquiry into the nature of self; beliefs and values; personal, physical, mental, social and spiritual health; human relationships including families, friends, communities and cultures; rights and responsibilities; what it means to be human.

Who We Are

An inquiry into the nature of self; beliefs and values; personal, physical, mental, social and spiritual health; human relationships including families, friends, communities and cultures; rights and responsibilities; what it means to be human.

Central Idea

The human body is dependent on a balance of interconnected factors.

Key Concepts

Function Reflection

Lines of Inquiry

- Physical structure of human body
- Contributing factors affecting the body system
- Personal issues affecting well being and balance

Central Idea

Political decisions influence international equality.

Key Concepts

Causation Responsibility

Lines of Inquiry

- The impact of government decisions upon equal opportunities
- The responsibilities of governments towards their citizens

YEAR 4

YEAR 5

Who We Are

An inquiry into the nature of self; beliefs and values; personal, physical, mental, social and spiritual health; human relationships including families, friends, communities and cultures; rights and responsibilities; what it means to be human.

Central Idea

Diversity of cultures impact on personal, physical, mental and spiritual health.

Key Concepts

Causation Connection Reflection

Lines of Inquiry

- Cultures have a direct impact on our overall health and well-being
- Indigenous values shape the diversity of cultures