Achievement Objective Curriculum Level 5 Prepare, rehearse, and perform dance with an awareness of production technologies.

Learning Area Cards

DTHM for kaiako

Learning area: The Arts Curriculum level: 5 Component: Dance

Strand: Communicating and Interpreting

The Arts

Achievement Objective Curriculum Level 5 Reflect on and describe how choreography communicates ideas, feelings, moods, and experiences.

Learning Area Cards

DTHM for kaiako

Learning area: The Arts Curriculum level: 5 Component: Dance

Strand: Communicating and Interpreting

Achievement Objective Curriculum Level 5 Present and respond to drama and describe how drama combines elements, techniques, conventions, and technologies to create structure and meaning in their own and others' work.

Learning Area Cards

DTHM for kaiako

Learning area: The Arts Curriculum level: 5 Component: Drama

Strand: Communicating and Interpreting

The Arts

Achievement Objective Curriculum Level 5 Prepare, rehearse, and present performances of music, using a range of performance skills and techniques.

Learning Area Cards

DTHM for kaiako

Learning area: The Arts Curriculum level: 5

Component: Music - Sound Arts

Strand: Communicating and Interpreting

Achievement Objective Curriculum Level 5 Reflect on the expressive qualities of their own and others' music, both live and recorded.

Learning Area Cards

DTHM for kaiako

Learning area: The Arts Curriculum level: 5

Component: Music – Sound Arts

Strand: Communicating and Interpreting

The Arts

Achievement Objective Curriculum Level 5 Compare and contrast the ways in which ideas and art-making processes are used to communicate meaning in selected objects and images.

Learning Area Cards

DTHM for kaiako

Learning area: The Arts Curriculum level: 5 Component: Visual Arts

Strand: Communicating and Interpreting

Achievement Objective Curriculum Level 5 Manipulate the elements and explore the use of choreographic devices and structures to organise dance movement.

Learning Area Cards

DTHM for kaiako

Learning area: The Arts Curriculum level: 5 Component: Dance Strand: Developing Ideas

The Arts

Achievement Objective Curriculum Level 5

Learning Area Cards

DTHM for kaiako

Select and refine ideas to develop drama for specific purposes.

Learning area: The Arts Curriculum level: 5 Component: Drama Strand: Developing Ideas

Achievement Objective Curriculum Level 5 Use musical elements, instruments, technologies, and conventions to express, develop, and refine structured compositions and improvisations.

Learning Area Cards

DTHM for kaiako

Learning area: The Arts Curriculum level: 5

Component: Music – Sound Arts Strand: Developing Ideas

The Arts

Achievement Objective Curriculum Level 5 Represent compositions and improvisation frameworks, using appropriate conventions.

Learning Area Cards

DTHM for kaiako

Learning area: The Arts Curriculum level: 5

Component: Music – Sound Arts Strand: Developing Ideas

Achievement Objective Curriculum Level 5 Generate, develop, and refine ideas in response to a variety of motivations, including the study of established practice.

Learning Area Cards

DTHM for kaiako

Learning area: The Arts Curriculum level: 5 Component: Visual Arts Strand: Developing Ideas

The Arts

Achievement Objective Curriculum Level 5 Develop a variety of skills, dance techniques, vocabularies, and movement practices.

Learning Area Cards

DTHM for kaiako

Learning area: The Arts Curriculum level: 5 Component: Dance

Strand: Developing Practical Knowledge

Achievement Objective Curriculum Level 5 Select and use techniques, conventions, and relevant technologies for specific drama purposes.

Learning Area Cards

DTHM for kaiako

Learning area: The Arts Curriculum level: 5 Component: Drama

Strand: Developing Practical Knowledge

The Arts

Achievement Objective Curriculum Level 5 Apply knowledge of the elements of music, structural devices, stylistic conventions, and technologies through integrating aural, practical, and theoretical skills.

Learning Area Cards

DTHM for kaiako

Learning area: The Arts Curriculum level: 5

Component: Music – Sound Arts

Strand: Developing Practical Knowledge

Achievement Objective Curriculum Level 5 Apply knowledge of selected conventions from established practice, using appropriate processes and procedures.

Learning Area Cards

DTHM for kaiako

Learning area: The Arts Curriculum level: 5 Component: Visual Arts

Strand: Developing Practical Knowledge

The Arts

Achievement Objective Curriculum Level 5 Compare and contrast dances from a variety of past and present cultures and contexts.

Learning Area Cards

DTHM for kaiako

Learning area: The Arts Curriculum level: 5 Component: Dance

Strand: Understanding the Arts in Context

Achievement Objective Curriculum Level 5 Investigate the characteristics, purposes, and function of drama in a range of contexts.

Learning Area Cards

DTHM for kaiako

Learning area: The Arts Curriculum level: 5 Component: Drama

Strand: Understanding the Arts in Context

The Arts

Achievement Objective Curriculum Level 5 Compare and contrast the characteristics of music associated with a range of sound environments, in relation to historical, social, and cultural contexts.

Learning Area Cards

DTHM for kaiako

Learning area: The Arts Curriculum level: 5

Component: Music - Sound Arts

Strand: Understanding the Arts in Context

Achievement Objective Curriculum Level 5 Investigate how music serves a variety of purposes and functions in their own lives and in their communities.

Learning Area Cards

DTHM for kaiako

Learning area: The Arts Curriculum level: 5

Component: Music – Sound Arts

Strand: Understanding the Arts in Context

The Arts

Achievement Objective Curriculum Level 5 Investigate and consider the relationship between the production of art works and their contexts and influences.

Learning Area Cards

DTHM for kaiako

Learning area: The Arts Curriculum level: 5 Component: Visual Arts

Strand: Understanding the Arts in Context

Achievement Objective Curriculum Level 5

Learning Area Cards **DTHM for kaiako**

English

Achievement Objective Curriculum Level 5

Learning Area Cards **DTHM for kaiako**

Show an understanding of ideas within, across, and beyond texts.

indicators:

makes meaning by understanding increasingly comprehensive ideas in texts and the links between them:

makes connections by exploring ideas within and between texts from a range of contexts; recognises that there may be more than one reading available within a text; makes and supports inferences from texts independently.

Learning area: English Curriculum level: 5

Component: Listening, Reading, and Viewing

Strand: Ideas

Show an understanding of how language features are used for effect within and across texts.

indicators:

identifies oral, written, and visual language features and understands their effects; uses an increasing vocabulary to make meaning; understands how a range of text conventions work together to create meaning and effect; understands that authors have different voices and styles and can identify those differences.

Learning area: English Curriculum level: 5

Component: Listening, Reading, and Viewing

Strand: Language features

Achievement Objective Curriculum Level 5

Learning Area Cards **DTHM for kaiako**

English

Achievement Objective Curriculum Level 5

Learning Area Cards **DTHM for kaiako**

Integrate sources of information, processes, and strategies purposefully and confidently to identify, form, and express increasingly sophisticated ideas.

selects and reads texts for enjoyment and personal fulfilment;

recognises, understands, and considers the connections between oral, written, and visual language; integrates sources of information and prior knowledge purposefully and confidently to make sense of increasingly varied and complex texts; selects and uses appropriate processing and comprehension strategies with confidence; thinks critically about texts with understanding and confidence;

monitors, self evaluates, and describes progress, articulating learning with confidence.

Learning area: English Curriculum level: 5

Component: Listening, Reading, and Viewing

Strand: Processes and strategies

Show an understanding of how texts are shaped for different purposes and audiences.

recognises, understands, and considers how texts are constructed for a range of purposes, audiences, and situations;

identifies particular points of view within texts and recognises that texts can position a reader; evaluates the reliability and usefulness of texts with confidence.

Learning area: English Curriculum level: 5

Component: Listening, Reading, and Viewing

Strand: Purposes and audiences

Achievement Objective Curriculum Level 5 Show an understanding of a range of structures.

indicator:

identifies and understands the characteristics and conventions of a range of text forms and considers how they contribute to and affect text meaning.

Learning Area Cards

DTHM for kaiako

Learning area: English Curriculum level: 5

Component: Listening, Reading, and Viewing

Strand: Structure

English

Achievement Objective Curriculum Level 5 Select, develop, and communicate purposeful ideas on a range of topics.

indicators:

develops and communicates increasingly comprehensive ideas, information, and understandings;

develops ideas by adding details or making links to other ideas and details;

ideas show an awareness of a range of dimensions or viewpoints.

Learning Area Cards **DTHM for kaiako**

Learning area: English Curriculum level: 5

Component: Speaking, Writing, Presenting

Strand: Ideas

Achievement Objective Curriculum Level 5

Learning Area Cards **DTHM for kaiako**

English

Achievement Objective
Curriculum Level 5

Learning Area Cards **DTHM for kaiako**

Select and use a range of language features appropriately, showing an understanding of their effects.

indicators:

accuracy.

uses a wide range of oral, written, and visual language features to create meaning and effect and to sustain interest;

uses an increasing range of vocabulary to communicate precise meaning; uses a wide range of text conventions, including grammatical and spelling conventions, appropriately, effectively, and with increasing

Learning area: English Curriculum level: 5

Component: Speaking, Writing, Presenting

Strand: Language features

Integrate sources of information, processes, and strategies purposefully and confidently to identify, form, and express increasingly sophisticated ideas. indicators:

uses an increasing understanding of the connections between oral, written, and visual language when creating texts:

creates a range of increasingly varied and complex texts by integrating sources of information and processing strategies;

seeks feedback and makes changes to texts to improve clarity, meaning, and effect;

is reflective about the production of own texts: monitors and self evaluates progress, articulating learning with confidence.

Learning area: English Curriculum level: 5

Component: Speaking, Writing, Presenting

Strand: Processes and strategies

Achievement Objective Curriculum Level 5 Show an understanding of how to shape texts for different audiences and purposes. indicators:

constructs a range of texts that demonstrate an understanding of purpose and audience through deliberate choice of content, language, and text form;

conveys and sustains personal voice where appropriate.

Learning Area Cards

DTHM for kaiako

Learning area: English Curriculum level: 5

Component: Speaking, Writing, Presenting

Strand: Purposes and audiences

English

Achievement Objective Curriculum Level 5 Organise texts using a range of appropriate, effective structures.

indicators:

achieves a sense of coherence and wholeness when constructing texts;

organises and develops ideas and information for a particular purpose or effect, using the characteristics and conventions of a range of text forms.

Learning Area Cards **DTHM for kaiako**

Learning area: English Curriculum level: 5

Component: Speaking, Writing, Presenting

Strand: Structure

Achievement Objective
Curriculum Level 5

Investigate community services that support and promote people's well-being and take action to promote personal and group involvement.

Learning Area Cards **DTHM for kaiako**

Learning area: Health and Physical Education Curriculum level: 5

Component: Healthy Communities and

Environments

Strand: Community resources

Health and Physical Education

Achievement Objective
Curriculum Level 5

Investigate and evaluate aspects of the school environment that affect people's well-being and take action to enhance these aspects.

Learning Area Cards **DTHM for kaiako**

Learning area: Health and Physical Education Curriculum level: 5

Component: Healthy Communities and

Environments

Strand: People and the environment

Achievement Objective
Curriculum Level 5

Identify the rights and responsibilities of consumers and use this information to evaluate health and recreational services and products in the community.

Learning Area Cards

DTHM for kaiako

Learning area: Health and Physical Education Curriculum level: 5

Component: Healthy Communities and

Environments

Strand: Rights, responsibilities, and laws

Health and Physical Education

Achievement Objective
Curriculum Level 5

Learning Area Cards **DTHM for kaiako**

Investigate societal influences on the well-being of student communities.

Learning area: Health and Physical Education Curriculum level: 5

Component: Healthy Communities and

Environments

Strand: Societal attitudes and values

Achievement Objective
Curriculum Level 5

Investigate and experience ways in which people's physical competence and participation are influenced by social and cultural factors.

Learning Area Cards

DTHM for kaiako

Learning area: Health and Physical Education Curriculum level: 5

Component: Movement Concepts and Motor Skills Strand: Challenges and social and cultural factors

Health and Physical Education

Achievement Objective Curriculum Level 5 Acquire and apply complex motor skills by using basic principles of motor learning.

Learning Area Cards **DTHM for kaiako**

Learning area: Health and Physical Education Curriculum level: 5

Component: Movement Concepts and Motor Skills

Strand: Movement skills

Achievement Objective
Curriculum Level 5

Develop skills and responsible attitudes in challenging physical situations.

Learning Area Cards

DTHM for kaiako

Learning area: Health and Physical Education Curriculum level: 5

Component: Movement Concepts and Motor Skills Strand: Positive attitudes

Health and Physical Education

Achievement Objective
Curriculum Level 5

Investigate and experience ways in which scientific, technological, and environmental knowledge and resources assist in and influence people's participation in regular physical activity.

Learning Area Cards **DTHM for kaiako**

Learning area: Health and Physical Education Curriculum level: 5

Component: Movement Concepts and Motor Skills Strand: Science and technology

Achievement Objective
Curriculum Level 5

Describe physical, social, emotional, and intellectual processes of growth and relate these to features of adolescent development and effective self-management strategies.

Learning Area Cards **DTHM for kaiako**

Learning area: Health and Physical Education Curriculum level: 5

Component: Personal Health and Physical

Development

Strand: Personal growth and development

Health and Physical Education

Achievement Objective Curriculum Level 5 Investigate and describe the ways in which individuals define their own identity and sense of self-worth and how this influences the ways in which they describe other people.

Learning Area Cards **DTHM for kaiako**

Learning area: Health and Physical Education

Curriculum level: 5

Component: Personal Health and Physical

Development

Strand: Personal identity

Achievement Objective
Curriculum Level 5

Experience a range of personally enjoyable physical activities and describe how varying levels of involvement affect well-being and lifestyle balance.

Learning Area Cards

DTHM for kaiako

Learning area: Health and Physical Education Curriculum level: 5

Component: Personal Health and Physical

Development

Strand: Regular physical activity

Health and Physical Education

Achievement Objective
Curriculum Level 5

Investigate and practise safety procedures and strategies to manage risk situations.

Learning Area Cards **DTHM for kaiako**

Learning area: Health and Physical Education

Curriculum level: 5

Component: Personal Health and Physical

Development

Strand: Safety management

Achievement Objective
Curriculum Level 5

Demonstrate an understanding of how attitudes and values relating to difference influence their own safety and that of other people.

Learning Area Cards **DTHM for kaiako**

Learning area: Health and Physical Education Curriculum level: 5

Component: Relationships with Other People Strand: Identity, sensitivity, and respect

Health and Physical Education

Achievement Objective Curriculum Level 5 Demonstrate a range of interpersonal skills and processes that help them to make safe choices for themselves and other people in a variety of settings.

Learning Area Cards **DTHM for kaiako**

Learning area: Health and Physical Education Curriculum level: 5

Component: Relationships with Other People

Strand: Interpersonal skills

Achievement Objective
Curriculum Level 5

Identify issues associated with relationships and describe options to achieve positive outcomes.

Learning Area Cards **DTHM for kaiako**

Learning area: Health and Physical Education Curriculum level: 5

Component: Relationships with Other People Strand: Relationships

Learning Languages

Achievement Objective
Curriculum Level 5

Express and respond to personal ideas and opinions.

Learning Area Cards

DTHM for kaiako

Learning area: Learning Languages

Curriculum level: 5

Component: Communication

Strand: Managing self and relating to others

Learning Languages

Achievement Objective
Curriculum Level 5

Learning Area Cards

DTHM for kaiako

Communicate appropriately in different situations.

Learning area: Learning Languages Curriculum level: 5 Component: Communication

Component. Communication

Strand: Participating and contributing in communities

Learning Languages

Achievement Objective
Curriculum Level 5

Learning Area Cards

DTHM for kaiako

Communicate information, ideas, and opinions through different text types.

Learning area: Learning Languages

Curriculum level: 5

Component: Communication

Strand: Selecting and using language, symbols, and

texts to communicate

Learning Languages

Achievement Objective
Curriculum Level 5

Understand ways in which the target culture(s) is (are) organised for different purposes.

Learning Area Cards

DTHM for kaiako

Learning area: Learning Languages Curriculum level: 5

Component: Cultural Knowledge

Strand: N/A

Learning Languages

Achievement Objective Curriculum Level 5 Understand ways in which the target language is organised for different purposes.

Learning Area Cards

DTHM for kaiako

Learning area: Learning Languages Curriculum level: 5 Component: Language Knowledge

Strand: N/A

Mathematics and Statistics

Achievement Objective Curriculum Level 5 Select and use appropriate metric units for length, area, volume and capacity, weight (mass), temperature, angle, and time, with awareness that measurements are approximate.

Learning Area Cards

DTHM for kaiako

Learning area: Mathematics and Statistics

Curriculum level: 5

Component: Geometry and Measurement

Strand: Measurement

Mathematics and Statistics

Achievement Objective Curriculum Level 5 Convert between metric units, using decimals.

Learning Area Cards

DTHM for kaiako

Learning area: Mathematics and Statistics

Curriculum level: 5

Component: Geometry and Measurement

Strand: Measurement

Mathematics and Statistics

Achievement Objective Curriculum Level 5 Deduce and use formulae to find the perimeters and areas of polygons and the volumes of prisms.

Learning Area Cards **DTHM for kaiako**

Learning area: Mathematics and Statistics

Curriculum level: 5

Component: Geometry and Measurement

Strand: Measurement

Mathematics and Statistics

Achievement Objective Curriculum Level 5 Find the perimeters and areas of circles and composite shapes and the volumes of prisms, including cylinders.

Learning Area Cards

DTHM for kaiako

Learning area: Mathematics and Statistics

Curriculum level: 5

Component: Geometry and Measurement

Strand: Measurement

Construct and describe simple loci.

Mathematics and Statistics

Achievement Objective Curriculum Level 5

Learning Area Cards

DTHM for kaiako

Learning area: Mathematics and Statistics Curriculum level: 5

Component: Geometry and Measurement Strand: Position and Orientation

Mathematics and Statistics

Achievement Objective Curriculum Level 5

Learning Area Cards **DTHM for kaiako**

Interpret points and lines on coordinate planes, including scales and bearings on maps.

Learning area: Mathematics and Statistics

Curriculum level: 5

Component: Geometry and Measurement

Strand: Position and Orientation

Mathematics and Statistics

Achievement Objective Curriculum Level 5 Deduce the angle properties of intersecting and parallel lines and the angle properties of polygons and apply these properties.

Learning Area Cards **DTHM for kaiako**

Learning area: Mathematics and Statistics Curriculum level: 5

Component: Geometry and Measurement Strand: Shape

Mathematics and Statistics

Achievement Objective Curriculum Level 5 Create accurate nets for simple polyhedra and connect three-dimensional solids with different two-dimensional representations.

Learning Area Cards **DTHM for kaiako**

Learning area: Mathematics and Statistics Curriculum level: 5

Component: Geometry and Measurement

Strand: Shape

Mathematics and Statistics

Achievement Objective Curriculum Level 5 Define and use transformations and describe the invariant properties of figures and objects under these transformations.

Learning Area Cards **DTHM for kaiako**

Learning area: Mathematics and Statistics Curriculum level: 5

Component: Geometry and Measurement

Strand: Transformation

Mathematics and Statistics

Achievement Objective Curriculum Level 5 Apply trigonometric ratios and Pythagoras' theorem in two dimensions.

Learning Area Cards **DTHM for kaiako**

Learning area: Mathematics and Statistics

Curriculum level: 5

Component: Geometry and Measurement

Strand: Transformation

Form and solve linear and simple quadratic equations.

Mathematics and Statistics

Achievement Objective Curriculum Level 5

Learning Area Cards **DTHM for kaiako**

Learning area: Mathematics and Statistics

Curriculum level: 5

Component: Number and Algebra Strand: Equations and expressions

Mathematics and Statistics

Achievement Objective Curriculum Level 5

Learning Area Cards **DTHM for kaiako**

Reason with linear proportions.

Learning area: Mathematics and Statistics

Curriculum level: 5

Component: Number and Algebra

Strand: Number strategies and knowledge

Mathematics and Statistics

Achievement Objective Curriculum Level 5 Use prime numbers, common factors and multiples, and powers (including square roots).

Learning Area Cards **DTHM for kaiako**

Learning area: Mathematics and Statistics

Curriculum level: 5

Component: Number and Algebra

Strand: Number strategies and knowledge

Mathematics and Statistics

Achievement Objective
Curriculum Level 5

Understand operations on fractions, decimals, percentages, and integers.

Learning Area Cards

DTHM for kaiako

Learning area: Mathematics and Statistics

Curriculum level: 5

Component: Number and Algebra

Strand: Number strategies and knowledge

Use rates and ratios.

Mathematics and Statistics

Achievement Objective Curriculum Level 5

Learning Area Cards **DTHM for kaiako**

Learning area: Mathematics and Statistics

Curriculum level: 5

Component: Number and Algebra

Strand: Number strategies and knowledge

Mathematics and Statistics

Achievement Objective Curriculum Level 5 Know commonly used fraction, decimal, and percentage conversions.

Learning Area Cards **DTHM for kaiako**

Learning area: Mathematics and Statistics

Curriculum level: 5

Component: Number and Algebra

Strand: Number strategies and knowledge

Mathematics and Statistics

Achievement Objective Curriculum Level 5 Know and apply standard form, significant figures, rounding, and decimal place value.

Learning Area Cards **DTHM for kaiako**

Learning area: Mathematics and Statistics

Curriculum level: 5

Component: Number and Algebra

Strand: Number strategies and knowledge

Mathematics and Statistics

Achievement Objective Curriculum Level 5 Generalise the properties of operations with fractional numbers and integers.

Learning Area Cards

DTHM for kaiako

Learning area: Mathematics and Statistics

Curriculum level: 5

Component: Number and Algebra Strand: Patterns and relationships

Mathematics and Statistics

Achievement Objective Curriculum Level 5 Relate tables, graphs, and equations to linear and simple quadratic relationships found in number and spatial patterns.

Learning Area Cards **DTHM for kaiako**

Learning area: Mathematics and Statistics

Curriculum level: 5

Component: Number and Algebra Strand: Patterns and relationships

Mathematics and Statistics

Achievement Objective Curriculum Level 5 Compare and describe the variation between theoretical and experimental distributions in situations that involve elements of chance.

Learning Area Cards **DTHM for kaiako**

Learning area: Mathematics and Statistics

Curriculum level: 5 Component: Statistics Strand: Probability

Calculate probabilities, using fractions, percentages, and ratios.

Mathematics and Statistics

Achievement Objective
Curriculum Level 5

Learning Area Cards

DTHM for kaiako

Learning area: Mathematics and Statistics

Curriculum level: 5 Component: Statistics Strand: Probability

Mathematics and Statistics

Achievement Objective Curriculum Level 5 Plan and conduct surveys and experiments using the statistical enquiry cycle: determining appropriate variables and measures;

considering sources of variation; gathering and cleaning data; using multiple displays, and re-categorising data to find patterns, variations, relationships, and trends in multivariate data sets; comparing sample distributions visually, using measures of centre, spread, and proportion; presenting a report of findings.

Learning Area Cards **DTHM for kaiako**

Learning area: Mathematics and Statistics

Curriculum level: 5 Component: Statistics

Strand: Statistical Investigation

Mathematics and Statistics

Achievement Objective Curriculum Level 5 Evaluate statistical investigations or probability activities undertaken by others, including data collection methods, choice of measures, and validity of findings.

Learning Area Cards **DTHM for kaiako**

Learning area: Mathematics and Statistics

Curriculum level: 5 Component: Statistics Strand: Statistical Literacy

Science

Achievement Objective Curriculum Level 5 Link the properties of different groups of substances to the way they are used in society or occur in nature.

Learning Area Cards

DTHM for kaiako

Learning area: Science Curriculum level: 5 Component: Material World

Strand: Chemistry and society

Achievement Objective Curriculum Level 5 Investigate the chemical and physical properties of different groups of substances, for example, acids and bases, fuels, and metals.

Learning Area Cards **DTHM for kaiako**

Learning area: Science Curriculum level: 5

Component: Material World

Strand: Properties and changes of matter

Science

Achievement Objective Curriculum Level 5 Distinguish between pure substances and mixtures and between elements and compounds.

Learning Area Cards **DTHM for kaiako**

Learning area: Science
Curriculum level: 5

Component: Material World

Strand: Properties and changes of matter

of different elements.

Science

Achievement Objective Curriculum Level 5

Learning area: Science
Curriculum level: 5
Component: Material World

Strand: The structure of matter

Learning Area Cards **DTHM for kaiako**

Science

Achievement Objective Curriculum Level 5 Distinguish between an element and a compound, a pure substance and a mixture at particle level.

Describe the structure of the atoms

Learning Area Cards **DTHM for kaiako**

Learning area: Science Curriculum level: 5 Component: Material World

Strand: The structure of matter

Achievement Objective Curriculum Level 5 Use a wider range of science vocabulary, symbols, and conventions.

Learning Area Cards **DTHM for kaiako**

Learning area: Science Curriculum level: 5

Component: Nature of Science Strand: Communicating in science

Science

Achievement Objective
Curriculum Level 5

Apply their understandings of science to evaluate both popular and scientific texts (including visual and numerical literacy).

Learning Area Cards **DTHM for kaiako**

Learning area: Science
Curriculum level: 5
Component: Nature of Science
Strand: Communicating in science

Achievement Objective Curriculum Level 5 Investigate the interdependence of living things (including humans) in an ecosystem.

Learning Area Cards **DTHM for kaiako**

Learning area: Science Curriculum level: 5 Component: Living World Strand: Ecology

Science

Achievement Objective Curriculum Level 5 Describe the basic processes by which genetic information is passed from one generation to the next.

Learning Area Cards **DTHM for kaiako**

Learning area: Science Curriculum level: 5 Component: Living World Strand: Evolution

Achievement Objective Curriculum Level 5 Develop and carry out more complex investigations, including using models.

Learning Area Cards **DTHM for kaiako**

Learning area: Science Curriculum level: 5

Component: Nature of Science Strand: Investigating in science

Science

Achievement Objective Curriculum Level 5 Show an increasing awareness of the complexity of working scientifically, including recognition of multiple variables.

Learning Area Cards **DTHM for kaiako**

Learning area: Science Curriculum level: 5 Component: Nature of Science Strand: Investigating in science

Begin to evaluate the suitability of the investigative methods chosen.

Science

Achievement Objective Curriculum Level 5

Learning Area Cards **DTHM for kaiako**

Learning area: Science Curriculum level: 5

Component: Nature of Science Strand: Investigating in science

Science

Achievement Objective Curriculum Level 5 Identify the key structural features and functions involved in the life processes of plants and animals.

Learning Area Cards **DTHM for kaiako**

Learning area: Science Curriculum level: 5 Component: Living World Strand: Life processes

Describe the organisation of life at the cellular level.

Science

Achievement Objective Curriculum Level 5

Learning Area Cards **DTHM for kaiako**

Learning area: Science Curriculum level: 5 Component: Living World Strand: Life processes

Science

Achievement Objective Curriculum Level 5 Develop an understanding of socioscientific issues by gathering relevant scientific information in order to draw evidence-based conclusions and to take action where appropriate.

Learning Area Cards **DTHM for kaiako**

Learning area: Science Curriculum level: 5

Component: Nature of Science Strand: Participating and contributing

Achievement Objective Curriculum Level 5 Understand that scientists' investigations are informed by current scientific theories and aim to collect evidence that will be interpreted through processes of logical argument.

Learning Area Cards

DTHM for kaiako

Learning area: Science Curriculum level: 5

Component: Nature of Science Strand: Understanding about science

Science

Achievement Objective Curriculum Level 5 Identify and describe the patterns associated with physical phenomena found in simple everyday situations involving movement, forces, electricity and magnetism, light, sound, waves, and heat. For example, identify and describe energy changes and conservation of energy, simple electrical circuits, and the effect of contact and non-contact on the motion of objects.

Learning Area Cards **DTHM for kaiako**

Learning area: Science
Curriculum level: 5

Component: Physical World

Strand: Physical inquiry and physics concepts

Explore a technological or biological application of physics.

Science

Achievement Objective Curriculum Level 5

Learning Area Cards **DTHM for kaiako**

Learning area: Science Curriculum level: 5 Component: Physical World Strand: Using physics

Science

Achievement Objective Curriculum Level 5 planets and their moons, and the factors affecting them.

Investigate the conditions on the

Learning Area Cards **DTHM for kaiako**

Learning area: Science Curriculum level: 5 Component: Planet Earth and Beyond Strand: Astronomical systems

Achievement Objective Curriculum Level 5 Investigate the composition, structure, and features of the geosphere, hydrosphere, and atmosphere.

Learning Area Cards **DTHM for kaiako**

Learning area: Science Curriculum level: 5

Component: Planet Earth and Beyond

Strand: Earth systems

Science

Achievement Objective Curriculum Level 5 Investigate how heat from the Sun, the Earth, and human activities is distributed around Earth by the geosphere, hydrosphere, and atmosphere.

Learning Area Cards **DTHM for kaiako**

Learning area: Science Curriculum level: 5

Component: Planet Earth and Beyond

Strand: Interacting systems

Social Sciences

Achievement Objective Curriculum Level 5 Understand how systems of government in New Zealand operate and affect people's lives, and how they compare with another system.

Learning Area Cards

DTHM for kaiako

Learning area: Social Sciences

Curriculum level: 5 Component: Social Studies

Strand: N/A

Social Sciences

Achievement Objective Curriculum Level 5 Understand how the Treaty of Waitangi is responded to differently by people in different times and places.

Learning Area Cards **DTHM for kaiako**

Learning area: Social Sciences Curriculum level: 5 Component: Social Studies Strand: N/A

Understand how cultural interaction impacts on cultures and societies.

Social Sciences

Achievement Objective Curriculum Level 5

Learning area: Social Sciences

Curriculum level: 5

Component: Social Studies

Strand: N/A

Learning Area Cards **DTHM for kaiako**

Social Sciences

Achievement Objective Curriculum Level 5 Understand that people move between places and how this has consequences for the people and the places.

Learning Area Cards **DTHM for kaiako**

Learning area: Social Sciences Curriculum level: 5 Component: Social Studies Strand: N/A

Social Sciences

Achievement Objective Curriculum Level 5 Understand how economic decisions impact on people, communities, and nations.

Learning Area Cards **DTHM for kaiako**

Learning area: Social Sciences

Curriculum level: 5

Component: Social Studies

Strand: N/A

Social Sciences

Achievement Objective Curriculum Level 5 Understand how people's management of resources impacts on environmental and social sustainability.

Learning Area Cards **DTHM for kaiako**

Learning area: Social Sciences Curriculum level: 5 Component: Social Studies Strand: N/A

Social Sciences

Achievement Objective Curriculum Level 5 Understand how the ideas and actions of people in the past have had a significant impact on people's lives.

Learning Area Cards **DTHM for kaiako**

Learning area: Social Sciences

Curriculum level: 5 Component: Social Studies

Strand: N/A

Social Sciences

Achievement Objective Curriculum Level 5 Understand how people seek and have sought economic growth through business, enterprise, and innovation.

Learning Area Cards **DTHM for kaiako**

Learning area: Social Sciences Curriculum level: 5 Component: Social Studies

Strand: N/A

Understand how people define and seek human rights.

Social Sciences

Achievement Objective Curriculum Level 5

Learning Area Cards

DTHM for kaiako

Learning area: Social Sciences

Curriculum level: 5

Component: Social Studies

Strand: N/A

Technology

Achievement Objective Curriculum Level 5 Understand how evidence, reasoning, and decision making in functional modelling contribute to the development of design concepts and how prototyping can be used to justify ongoing refinement of outcomes.

Learning Area Cards

DTHM for kaiako

Learning area: Technology Curriculum level: 5

Component: Technological Knowledge Strand: Technological modelling

Achievement Objective Curriculum Level 5 Understand how materials are selected, based on desired performance criteria.

Learning Area Cards

DTHM for kaiako

Learning area: Technology Curriculum level: 5

Component: Technological Knowledge Strand: Technological products

Technology

Achievement Objective Curriculum Level 5 Understand the properties of subsystems within technological systems.

Learning Area Cards

DTHM for kaiako

Learning area: Technology Curriculum level: 5

Component: Technological Knowledge Strand: Technological systems

Achievement Objective Curriculum Level 5 Understand that technological outcomes are fit for purpose in terms of time and context.
Understand the concept of malfunction and how "failure" can inform future outcomes.

Learning Area Cards

DTHM for kaiako

Learning area: Technology Curriculum level: 5

Component: Nature of Technology

Strand: Characteristics of technological outcomes

Technology

Achievement Objective Curriculum Level 5 Understand how people's perceptions and acceptance of technology impact on technological developments and how and why technological knowledge becomes codified.

Learning Area Cards

DTHM for kaiako

Learning area: Technology Curriculum level: 5

Component: Nature of Technology Strand: Characteristics of technology

Achievement Objective Curriculum Level 5 Justify the nature of an intended outcome in relation to the need or opportunity. Describe specifications that reflect key stakeholder feedback and that will inform the development of an outcome and its evaluation.

Learning Area Cards **DTHM for kaiako**

Learning area: Technology Curriculum level: 5

Component: Technological Practice

Strand: Brief development

Technology

Achievement Objective Curriculum Level 5 Analyse their own and others' outcomes to inform the development of ideas for feasible outcomes. Undertake ongoing functional modelling and evaluation that takes account of key stakeholder feedback and trialling in the physical and social environments. Use the information gained to select and develop the outcome that best addresses the specifications. Evaluate the final outcome's fitness for purpose against the brief.

Learning Area Cards

DTHM for kaiako

Learning area: Technology Curriculum level: 5

Component: Technological Practice

Strand: Outcome development and evaluation

Achievement Objective Curriculum Level 5 Analyse their own and others' planning practices to inform the selection and use of planning tools. Use these to support and justify planning decisions (including those relating to the management of resources) that will see the development of an outcome through to completion.

Learning Area Cards

DTHM for kaiako

Learning area: Technology Curriculum level: 5

Component: Technological Practice Strand: Planning for practice