

The Arts

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Prepare, rehearse, and perform a range of dances and demonstrate an understanding of the performance requirements of the genres and contexts.

Learning area: The Arts

Curriculum level: 6

Component: Dance

Strand: Communicating and Interpreting

The Arts

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Describe, explain, and respond to the ways that dance uses elements, devices, structures, performance skills, and production technologies to communicate images, themes, feelings, and moods.

Learning area: The Arts

Curriculum level: 6

Component: Dance

Strand: Communicating and Interpreting

The Arts

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Perform and respond to drama and make critical judgments about how elements, techniques, conventions, and technologies are used to create form and meaning in their own and others' work.

Learning area: The Arts

Curriculum level: 6

Component: Drama

Strand: Communicating and Interpreting

The Arts

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Prepare, rehearse, interpret, and present performances of music individually and collaboratively, using a range of performance skills and techniques.

Learning area: The Arts

Curriculum level: 6

Component: Music – Sound Arts

Strand: Communicating and Interpreting

The Arts

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Reflect on the expressive qualities of music and evaluate their own and others' music, both live and recorded.

Learning area: The Arts
Curriculum level: 6
Component: Music – Sound Arts
Strand: Communicating and Interpreting

The Arts

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Identify and analyse processes and procedures from established practice that influence ways of communicating meaning.

Learning area: The Arts
Curriculum level: 6
Component: Visual Arts
Strand: Communicating and Interpreting

The Arts

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Investigate, analyse, and evaluate ideas and interpret artists' intentions in art works.

Learning area: The Arts
Curriculum level: 6
Component: Visual Arts
Strand: Communicating and Interpreting

The Arts

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Select and use choreographic devices, structures, processes, and technologies to develop and give form to dance ideas.

Learning area: The Arts
Curriculum level: 6
Component: Dance
Strand: Developing Ideas

The Arts

Achievement Objective
Curriculum Level 6

Learning Area Cards

DTHM for kaiako

Research, evaluate, and refine ideas in a range of dramatic forms to develop drama.

Learning area: The Arts

Curriculum level: 6

Component: Drama

Strand: Developing Ideas

The Arts

Achievement Objective
Curriculum Level 6

Learning Area Cards

DTHM for kaiako

Create, structure, refine, and represent compositions using the elements of music, instruments, technologies, and conventions to express imaginative thinking and personal understandings.

Learning area: The Arts

Curriculum level: 6

Component: Music – Sound Arts

Strand: Developing Ideas

The Arts

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Reflect on composition processes and presentation conventions.

Learning area: The Arts
Curriculum level: 6
Component: Music – Sound Arts
Strand: Developing Ideas

The Arts

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Generate, develop, and clarify ideas, showing some understanding of established practice.

Learning area: The Arts
Curriculum level: 6
Component: Visual Arts
Strand: Developing Ideas

The Arts

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Sequence and link ideas systematically as they solve problems in a body of work, using observation and invention with an appropriate selection of materials.

Learning area: The Arts
Curriculum level: 6
Component: Visual Arts
Strand: Developing Ideas

The Arts

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Develop and demonstrate skills in selected dance genres and styles and explore the use of a variety of technologies.

Learning area: The Arts
Curriculum level: 6
Component: Dance
Strand: Developing Practical Knowledge

The Arts

Achievement Objective
Curriculum Level 6

Learning Area Cards

DTHM for kaiako

Select and use techniques, conventions, and technologies in a range of dramatic forms.

Learning area: The Arts

Curriculum level: 6

Component: Drama

Strand: Developing Practical Knowledge

The Arts

Achievement Objective
Curriculum Level 6

Learning Area Cards

DTHM for kaiako

Apply knowledge of expressive features, stylistic conventions, and technologies through an integration of aural perception and practical and theoretical skills and describe how they are used in a range of music.

Learning area: The Arts

Curriculum level: 6

Component: Music – Sound Arts

Strand: Developing Practical Knowledge

The Arts

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Apply knowledge of a range of conventions from established practice, using appropriate processes and procedures.

Learning area: The Arts

Curriculum level: 6

Component: Visual Arts

Strand: Developing Practical Knowledge

The Arts

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Explore, investigate, and describe the features and backgrounds of a variety of dance genres and styles.

Learning area: The Arts

Curriculum level: 6

Component: Dance

Strand: Understanding the Arts in Context

The Arts

Achievement Objective
Curriculum Level 6

Learning Area Cards

DTHM for kaiako

Investigate the forms and purposes of drama in different historical or contemporary contexts, including New Zealand drama.

Learning area: The Arts

Curriculum level: 6

Component: Drama

Strand: Understanding the Arts in Context

The Arts

Achievement Objective
Curriculum Level 6

Learning Area Cards

DTHM for kaiako

Analyse music from a range of sound environments, styles, and genres, in relation to historical, social, and cultural contexts.

Learning area: The Arts

Curriculum level: 6

Component: Music – Sound Arts

Strand: Understanding the Arts in Context

The Arts

Achievement Objective
Curriculum Level 6

Learning Area Cards

DTHM for kaiako

Consider and reflect on the influence of music in their own music making and in their lives.

Learning area: The Arts

Curriculum level: 6

Component: Music – Sound Arts

Strand: Understanding the Arts in Context

The Arts

Achievement Objective
Curriculum Level 6

Learning Area Cards

DTHM for kaiako

Investigate and analyse the relationship between the production of art works and the contexts in which they were made, viewed, and valued.

Learning area: The Arts

Curriculum level: 6

Component: Visual Arts

Strand: Understanding the Arts in Context

The Arts

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Consider and reflect on the contexts underlying their own and others' work.

Learning area: The Arts
Curriculum level: 6
Component: Visual Arts
Strand: Understanding the Arts in Context

English

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Show a developed understanding of ideas, within, across, and beyond texts.
indicators:
makes meaning by understanding comprehensive ideas;
makes connections by interpreting 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: 6
Component: Listening, Reading, and Viewing
Strand: Ideas

English

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

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

indicators:

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

Learning area: English

Curriculum level: 6

Component: Listening, Reading, and Viewing

Strand: Language features

English

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

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

indicators:

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: 6

Component: Listening, Reading, and Viewing

Strand: Processes and strategies

English

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

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

indicators:

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: 6

Component: Listening, Reading, and Viewing

Strand: Purposes and audiences

English

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Show a developed 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: English

Curriculum level: 6

Component: Listening, Reading, and Viewing

Strand: Structure

English

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Select, develop, and communicate connected ideas on a range of topics.

indicators:

develops and communicates comprehensive ideas, information, and understandings;

works towards creating coherent, planned whole texts by adding details to ideas or making links to other ideas and details;

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

Learning area: English

Curriculum level: 6

Component: Speaking, Writing, Presenting

Strand: Ideas

English

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Select and use a range of language features appropriately for a variety of effects.

indicators:

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

uses an increasing vocabulary to communicate precise meaning;

uses a wide range of text conventions, including grammatical and spelling conventions, appropriately, effectively, and with accuracy.

Learning area: English

Curriculum level: 6

Component: Speaking, Writing, Presenting

Strand: Language features

English

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

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: 6

Component: Speaking, Writing, Presenting

Strand: Processes and strategies

English

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Show a developed 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: English

Curriculum level: 6

Component: Speaking, Writing, Presenting

Strand: Purposes and audiences

English

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

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: English

Curriculum level: 6

Component: Speaking, Writing, Presenting

Strand: Structure

Health and Physical Education

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Advocate for the development of services and facilities to meet identified needs in the school and the community.

Learning area: Health and Physical Education

Curriculum level: 6

Component: Healthy Communities and Environments

Strand: Community resources

Health and Physical Education

Achievement Objective
Curriculum Level 6

Learning Area Cards

DTHM for kaiako

Investigate the roles and the effectiveness of local, national, and international organisations that promote well-being and environmental care.

Learning area: Health and Physical Education

Curriculum level: 6

Component: Healthy Communities and Environments

Strand: People and the environment

Health and Physical Education

Achievement Objective
Curriculum Level 6

Learning Area Cards

DTHM for kaiako

Compare and contrast personal values and practices with policies, rules, and laws and investigate how the latter contribute to safety in the school and community.

Learning area: Health and Physical Education

Curriculum level: 6

Component: Healthy Communities and Environments

Strand: Rights, responsibilities, and laws

Health and Physical Education

Achievement Objective
Curriculum Level 6

Learning Area Cards

DTHM for kaiako

Analyse societal influences that shape community health goals and physical activity patterns.

Learning area: Health and Physical Education

Curriculum level: 6

Component: Healthy Communities and Environments

Strand: Societal attitudes and values

Health and Physical Education

Achievement Objective
Curriculum Level 6

Learning Area Cards

DTHM for kaiako

Demonstrate understanding and affirmation of people's diverse social and cultural needs and practices when participating in physical activities.

Learning area: Health and Physical Education

Curriculum level: 6

Component: Movement Concepts and Motor Skills

Strand: Challenges and social and cultural factors

Health and Physical Education

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Acquire, apply, and refine specialised motor skills by using the principles of motor skill learning.

Learning area: Health and Physical Education
Curriculum level: 6
Component: Movement Concepts and Motor Skills
Strand: Movement skills

Health and Physical Education

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Demonstrate and examine responsible attitudes in challenging physical situations.

Learning area: Health and Physical Education
Curriculum level: 6
Component: Movement Concepts and Motor Skills
Strand: Positive attitudes

Health and Physical Education

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Apply scientific and technological knowledge and resources to enhance physical abilities in a range of environments.

Learning area: Health and Physical Education

Curriculum level: 6

Component: Movement Concepts and Motor Skills

Strand: Science and technology

Health and Physical Education

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Investigate and understand reasons for the choices people make that affect their well-being and explore and evaluate options and consequences.

Learning area: Health and Physical Education

Curriculum level: 6

Component: Personal Health and Physical Development

Strand: Personal growth and development

Health and Physical Education

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Demonstrate an understanding of factors that contribute to personal identity and celebrate individuality and affirm diversity.

Learning area: Health and Physical Education
Curriculum level: 6
Component: Personal Health and Physical Development
Strand: Personal identity

Health and Physical Education

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Choose and maintain ongoing involvement in appropriate physical activities and examine factors influencing their participation.

Learning area: Health and Physical Education
Curriculum level: 6
Component: Personal Health and Physical Development
Strand: Regular physical activity

Health and Physical Education

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Demonstrate understanding of responsible behaviours required to ensure that challenges and risks are managed safely in physical and social environments.

Learning area: Health and Physical Education
Curriculum level: 6
Component: Personal Health and Physical Development
Strand: Safety management

Health and Physical Education

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Plan and evaluate strategies recognising their own and other people's rights and responsibilities to avoid or minimise risks in social situations.

Learning area: Health and Physical Education
Curriculum level: 6
Component: Relationships with Other People
Strand: Identity, sensitivity, and respect

Health and Physical Education

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Plan strategies and demonstrate interpersonal skills to respond to challenging situations appropriately.

Learning area: Health and Physical Education
Curriculum level: 6
Component: Relationships with Other People
Strand: Interpersonal skills

Health and Physical Education

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Demonstrate an understanding of how individuals and groups affect relationships by influencing people's behaviour, beliefs, decisions, and sense of self-worth.

Learning area: Health and Physical Education
Curriculum level: 6
Component: Relationships with Other People
Strand: Relationships

Learning Languages

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Express and respond to personal ideas and opinions.

Learning area: Learning Languages
Curriculum level: 6
Component: Communication
Strand: Managing self and relating to others

Learning Languages

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Communicate appropriately in different situations.

Learning area: Learning Languages
Curriculum level: 6
Component: Communication
Strand: Participating and contributing in communities

Learning Languages

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

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

Learning area: Learning Languages

Curriculum level: 6

Component: Communication

Strand: Selecting and using language, symbols, and texts to communicate

Learning Languages

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

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

Learning area: Learning Languages

Curriculum level: 6

Component: Cultural Knowledge

Strand: N/A

Learning Languages

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Understand ways in which the target language is organised for different purposes.

Learning area: Learning Languages
Curriculum level: 6
Component: Language Knowledge
Strand: N/A

Mathematics and Statistics

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Measure at a level of precision appropriate to the task.

Learning area: Mathematics and Statistics
Curriculum level: 6
Component: Geometry and Measurement
Strand: Measurement

Mathematics and Statistics

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Apply the relationships between units in the metric system, including the units for measuring different attributes and derived measures.

Learning area: Mathematics and Statistics
Curriculum level: 6
Component: Geometry and Measurement
Strand: Measurement

Mathematics and Statistics

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Calculate volumes, including prisms, pyramids, cones, and spheres, using formulae.

Learning area: Mathematics and Statistics
Curriculum level: 6
Component: Geometry and Measurement
Strand: Measurement

Mathematics and Statistics

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Use a co-ordinate plane or map to show points in common and areas contained by two or more loci.

Learning area: Mathematics and Statistics
Curriculum level: 6
Component: Geometry and Measurement
Strand: Position and orientation

Mathematics and Statistics

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Deduce and apply the angle properties related to circles.

Learning area: Mathematics and Statistics
Curriculum level: 6
Component: Geometry and Measurement
Strand: Shape

Mathematics and Statistics

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Recognise when shapes are similar and use proportional reasoning to find an unknown length.

Learning area: Mathematics and Statistics
Curriculum level: 6
Component: Geometry and Measurement
Strand: Shape

Mathematics and Statistics

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Use trigonometric ratios and Pythagoras' theorem in two and three dimensions.

Learning area: Mathematics and Statistics
Curriculum level: 6
Component: Geometry and Measurement
Strand: Shape

Mathematics and Statistics

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Compare and apply single and multiple transformations.

Learning area: Mathematics and Statistics
Curriculum level: 6
Component: Geometry and Measurement
Strand: Transformation

Mathematics and Statistics

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Analyse symmetrical patterns by the transformations used to create them.

Learning area: Mathematics and Statistics
Curriculum level: 6
Component: Geometry and Measurement
Strand: Transformation

Mathematics and Statistics

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Form and solve linear equations and inequations, quadratic and simple exponential equations, and simultaneous equations with two unknowns.

Learning area: Mathematics and Statistics
Curriculum level: 6
Component: Number and Algebra
Strand: Equations and expressions

Mathematics and Statistics

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Apply direct and inverse relationships with linear proportions.

Learning area: Mathematics and Statistics
Curriculum level: 6
Component: Number and Algebra
Strand: Number strategies and knowledge

Mathematics and Statistics

Achievement Objective
Curriculum Level 6

Learning Area Cards

DTHM for kaiako

Extend powers to include integers and fractions.

Learning area: Mathematics and Statistics

Curriculum level: 6

Component: Number and Algebra

Strand: Number strategies and knowledge

Mathematics and Statistics

Achievement Objective
Curriculum Level 6

Learning Area Cards

DTHM for kaiako

Apply everyday compounding rates.

Learning area: Mathematics and Statistics

Curriculum level: 6

Component: Number and Algebra

Strand: Number strategies and knowledge

Mathematics and Statistics

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Find optimal solutions, using numerical approaches.

Learning area: Mathematics and Statistics
Curriculum level: 6
Component: Number and Algebra
Strand: Number strategies and knowledge

Mathematics and Statistics

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Generalise the properties of operations with rational numbers, including the properties of exponents.

Learning area: Mathematics and Statistics
Curriculum level: 6
Component: Number and Algebra
Strand: Patterns and relationships

Mathematics and Statistics

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Relate graphs, tables, and equations to linear, quadratic, and simple exponential relationships found in number and spatial patterns.

Learning area: Mathematics and Statistics
Curriculum level: 6
Component: Number and Algebra
Strand: Patterns and relationships

Mathematics and Statistics

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Relate rate of change to the gradient of a graph.

Learning area: Mathematics and Statistics
Curriculum level: 6
Component: Number and Algebra
Strand: Patterns and relationships

Mathematics and Statistics

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Investigate situations that involve elements of chance:
comparing discrete theoretical distributions and experimental distributions, appreciating the role of sample size;
calculating probabilities in discrete situations.

Learning area: Mathematics and Statistics
Curriculum level: 6
Component: Statistics
Strand: Probability

Mathematics and Statistics

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Plan and conduct investigations using the statistical enquiry cycle:
justifying the variables and measures used;
managing sources of variation, including through the use of random sampling;
Identifying and communicating features in context (trends, relationships between variables, and differences within and between distributions), using multiple displays;
making informal inferences about populations from sample data;
justifying findings, using displays and measures.

Learning area: Mathematics and Statistics
Curriculum level: 6
Component: Statistics
Strand: Statistical investigation

Mathematics and Statistics

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Evaluate statistical reports in the media by relating the displays, statistics, processes, and probabilities used, to the claims made.

Learning area: Mathematics and Statistics
Curriculum level: 6
Component: Statistics
Strand: Statistical literacy

Science

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Investigate the impact of natural events and human actions on a New Zealand ecosystem.

Learning area: Science
Curriculum level: 6
Component: Living World
Strand: Ecology

Science

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Explore patterns in the inheritance of genetically controlled characteristics.

Learning area: Science
Curriculum level: 6
Component: Living World
Strand: Evolution

Science

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Explain the importance of variation within a changing environment.

Learning area: Science
Curriculum level: 6
Component: Living World
Strand: Evolution

Science

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Relate key structural features and functions to the life processes of plants, animals, and micro-organisms and investigate environmental factors that affect these processes.

Learning area: Science
Curriculum level: 6
Component: Living World
Strand: Life processes

Science

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Investigate how chemical knowledge is used in a technological application of chemistry.

Learning area: Science
Curriculum level: 6
Component: Material World
Strand: Chemistry and society

Science

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Identify patterns and trends in the properties of a range of groups of substances, for example, acids and bases, metals, metal compounds, and hydrocarbons.

Learning area: Science
Curriculum level: 6
Component: Material World
Strand: Properties and changes of matter

Science

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Explore factors that affect chemical processes.

Learning area: Science
Curriculum level: 6
Component: Material World
Strand: Properties and changes of matter

Science

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Distinguish between atoms, molecules, and ions (includes covalent and ionic bonding).

Learning area: Science
Curriculum level: 6
Component: Material World
Strand: The structure of matter

Science

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Link atomic structure to the organisation of the periodic table.

Learning area: Science
Curriculum level: 6
Component: Material World
Strand: The structure of matter

Science

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Use particle theory to explain factors that affect chemical processes.

Learning area: Science
Curriculum level: 6
Component: Material World
Strand: The structure of matter

Science

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Use a wider range of science vocabulary, symbols, and conventions.

Learning area: Science
Curriculum level: 6
Component: Nature of Science
Strand: Communicating in science

Science

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

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

Learning area: Science
Curriculum level: 6
Component: Nature of Science
Strand: Communicating in science

Science

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Develop and carry out more complex investigations, including using models.

Learning area: Science
Curriculum level: 6
Component: Nature of Science
Strand: Investigating in science

Science

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Show an increasing awareness of the complexity of working scientifically, including recognition of multiple variables.

Learning area: Science
Curriculum level: 6
Component: Nature of Science
Strand: Investigating in science

Science

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Begin to evaluate the suitability of the investigative methods chosen.

Learning area: Science
Curriculum level: 6
Component: Nature of Science
Strand: Investigating in science

Science

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Develop an understanding of socio-scientific issues by gathering relevant scientific information in order to draw evidence-based conclusions and to take action where appropriate.

Learning area: Science
Curriculum level: 6
Component: Nature of Science
Strand: Participating and contributing

Science

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

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: Science
Curriculum level: 6
Component: Nature of Science
Strand: Understanding about science

Science

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Investigate trends and relationships in physical phenomena (in the areas of mechanics, electricity, electromagnetism, heat, light and waves, and atomic and nuclear physics).

Learning area: Science

Curriculum level: 6

Component: Physical World

Strand: Physical inquiry and physics concepts

Science

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Demonstrate an understanding of physical phenomena and concepts by explaining and solving questions and problems that relate to straightforward situations.

Learning area: Science

Curriculum level: 6

Component: Physical World

Strand: Physical inquiry and physics concepts

Science

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Investigate how physics knowledge is used in a technological or biological application.

Learning area: Science
Curriculum level: 6
Component: Physical World
Strand: Using physics

Science

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Investigate the interactions between the solar, lunar, and Earth cycles and the effect of these on Earth.

Learning area: Science
Curriculum level: 6
Component: Planet Earth and Beyond
Strand: Astronomical systems

Science

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Investigate the external and internal processes that shape and change the surface features of New Zealand.

Learning area: Science
Curriculum level: 6
Component: Planet Earth and Beyond
Strand: Earth systems

Science

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Develop an understanding of how the geosphere, hydrosphere, atmosphere, and biosphere interact to cycle carbon around Earth.

Learning area: Science
Curriculum level: 6
Component: Planet Earth and Beyond
Strand: Interacting systems

Social Sciences

Achievement Objective
Curriculum Level 6

Learning Area Cards

DTHM for kaiako

Understand how the different sectors of the New Zealand economy are interdependent.

Learning area: Social Sciences

Curriculum level: 6

Component: Economics

Strand: N/A

Social Sciences

Achievement Objective
Curriculum Level 6

Learning Area Cards

DTHM for kaiako

Understand how, as a result of scarcity, consumers, producers, and government make choices that affect New Zealand society.

Learning area: Social Sciences

Curriculum level: 6

Component: Economics

Strand: N/A

Social Sciences

Achievement Objective
Curriculum Level 6

Learning Area Cards

DTHM for kaiako

Understand how people interact with natural and cultural environments and that this interaction has consequences.

Learning area: Social Sciences

Curriculum level: 6

Component: Geography

Strand: N/A

Social Sciences

Achievement Objective
Curriculum Level 6

Learning Area Cards

DTHM for kaiako

Understand that natural and cultural environments have particular characteristics and how environments are shaped by processes that create spatial patterns.

Learning area: Social Sciences

Curriculum level: 6

Component: Geography

Strand: N/A

Social Sciences

Achievement Objective
Curriculum Level 6

Learning Area Cards

DTHM for kaiako

Understand how the causes and consequences of past events that are of significance to New Zealanders shape the lives of people and society.

Learning area: Social Sciences

Curriculum level: 6

Component: History

Strand: N/A

Social Sciences

Achievement Objective
Curriculum Level 6

Learning Area Cards

DTHM for kaiako

Understand how people's perspectives on past events that are of significance to New Zealanders differ.

Learning area: Social Sciences

Curriculum level: 6

Component: History

Strand: N/A

Social Sciences

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Understand how cultures adapt and change and that this has consequences for society.

Learning area: Social Sciences
Curriculum level: 6
Component: Social Studies
Strand: N/A

Social Sciences

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Understand how individuals, groups, and institutions work to promote social justice and human rights.

Learning area: Social Sciences
Curriculum level: 6
Component: Social Studies
Strand: N/A

Technology

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Understand the role and nature of evidence and reasoning when managing risk through technological modelling.

Learning area: Technology
Curriculum level: 6
Component: Technological Knowledge
Strand: Technological modelling

Technology

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Understand how materials are formed, manipulated, and transformed in different ways, depending on their properties, and understand the role of material evaluation in determining suitability for use in product development.

Learning area: Technology
Curriculum level: 6
Component: Technological Knowledge
Strand: Technological products

Technology

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Understand the implications of subsystems for the design, development, and maintenance of technological systems.

Learning area: Technology
Curriculum level: 6
Component: Technological Knowledge
Strand: Technological systems

Technology

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Understand that some technological outcomes can be perceived as both product and system. Understand how these outcomes impact on other outcomes and practices and on people's views of themselves and possible futures.

Learning area: Technology
Curriculum level: 6
Component: Nature of Technology
Strand: Characteristics of technological outcomes

Technology

Achievement Objective
Curriculum Level 6

Learning Area Cards

DTHM for kaiako

Understand the interdisciplinary nature of technology and the implications of this for maximising possibilities through collaborative practice.

Learning area: Technology

Curriculum level: 6

Component: Nature of Technology

Strand: Characteristics of technology

Technology

Achievement Objective
Curriculum Level 6

Learning Area Cards

DTHM for kaiako

Justify the nature of an intended outcome in relation to the need or opportunity and justify specifications in terms of key stakeholder feedback and wider community considerations.

Learning area: Technology

Curriculum level: 6

Component: Technological Practice

Strand: Brief development

Technology

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Critically analyse their own and others' outcomes to inform the development of ideas for feasible outcomes. Undertake ongoing experimentation and functional modelling, taking account of stakeholder feedback and trialling in the physical and social environments. Use the information gained to select, justify, and develop a final outcome. Evaluate this outcome's fitness for purpose against the brief and justify the evaluation using feedback from stakeholders.

Learning area: Technology
Curriculum level: 6
Component: Technological Practice
Strand: Outcome development and evaluation

Technology

Achievement Objective
Curriculum Level 6

Learning Area Cards
DTHM for kaiako

Critically analyse their own and others' past and current planning practices in order to make informed selection and effective use of planning tools. Use these to support and justify ongoing planning that will see the development of an outcome through to completion.

Learning area: Technology
Curriculum level: 6
Component: Technological Practice
Strand: Planning for practice