**Syllabus Outcomes within the Pillars - Stage 4**

|  |  |  |
| --- | --- | --- |
|  | **FUNCTIONAL LITERACY** | |
| **ENGLISH** | EN4-1A | Responds to and composes texts for understanding, interpretation, critical analysis, imaginative expression and pleasure |
| EN4-2A | Effectively uses a widening range of processes, skills, strategies and knowledge for responding to and composing texts in different media and technologies |
| EN4-3B | Uses and describes language forms, features and structures of texts appropriate to a range of purposes, audiences and contexts |
| EN4-4B | Makes effective language choices to creatively shape meaning with accuracy, clarity and coherence |
| EN4-5C | Thinks imaginatively, creatively, interpretively and critically about information, ideas and arguments to respond to and compose texts |
| EN4-6C | Identifies and explains connections between and among texts |
| EN4-7D | Demonstrates understanding of how texts can express aspects of their broadening world and their relationships within it |
| EN4-8D | Identifies, considers and appreciates cultural expression in texts |
| EN4-9E | Uses, reflects on and assesses their individual and collaborative skills for learning |
| **MATHEMATICS** | MA4-1WM | Communicates and connects mathematical ideas using appropriate terminology, diagrams and symbols |
| MA4-3WM | Recognises and explains mathematical relationships using reasoning |
| MA4-17MG | Classifies, describes and uses the properties of triangles and quadrilaterals, and determines congruent triangles to find unknown side lengths and angles |
| MA4-19SP | Collects, represents and interprets single sets of data, using appropriate statistical displays |
| **SCIENCE** | SC4-4WS | Identifies questions and problems that can be tested or researched and make predictions based on scientific knowledge |
| SC4-5WS | Collaboratively and individually produces a plan to investigate questions and problems |
| SC4-6WS | Follows a sequence of instructions to safely undertake a range of investigation types, collaboratively and individually |
| SC4-7WS | Processes and analyses data from a first-hand investigation and secondary sources to identify trends, patterns and relationships, and draw conclusions |
| SC4-9WS | Presents science ideas, findings and information to a given audience using appropriate scientific language, text types and representations |
| **GEOG** | GE4-1 | Locates and describes the diverse features and characteristics of a range of places and environments |
| GE4-4 | Examines perspectives of people and organisations on a range of geographical issues |
| GE4-8 | Communicates geographical information using a variety of strategies |
| **HISTORY** | HT4-5 | Identifies the meaning, purpose and context of historical sources |
| HT4-6 | Uses evidence from sources to support historical narratives and explanations |
| HT4-7 | Identifies and describes different contexts, perspectives and interpretations of the past |
| HT4-8 | Locates, selects and organises information from sources to develop an historical inquiry |
| HT4-9 | Uses a range of historical terms and concepts when communicating an understanding of the past |
| HT4-10 | Selects and uses appropriate oral, written, visual and digital forms to communicate about the past |

|  |  |  |
| --- | --- | --- |
| F:\Mock ups\Square elements\Numeracy.jpg | **PRACTICAL NUMERACY** | |
| **ENGLISH** | EN4-3B | Uses and describes language forms, features and structures of texts appropriate to a range of purposes, audiences and contexts |
| EN4-5C | Thinks imaginatively, creatively, interpretively and critically about information, ideas and arguments to respond to and compose texts |
| EN4-6C | Identifies and explains connections between and among texts |
| EN4-9E | Uses, reflects on and assesses their individual and collaborative skills for learning |
| **MATHEMATICS** | MA4-1WM | Communicates and connects mathematical ideas using appropriate terminology, diagrams and symbols |
| MA4-2WM | Applies appropriate mathematical techniques to solve problems |
| MA4-3WM | Recognises and explains mathematical relationships using reasoning |
| MA4-4NA | Compares, orders and calculates with integers, applying a range of strategies to aid computation |
| MA4-5NA | Operates with fractions, decimals and percentages |
| MA4-6NA | Solve financial problems involving purchasing goods |
| MA4-7NA | Operates with ratios and rates, and explores their graphical representation |
| MA4-8NA | Generalises number properties to operate with algebraic expressions |
| MA4-9NA | Operates with positive-integer and zero indices of numerical bases |
| MA4-10NA | Uses algebraic techniques to solve simple linear and quadratic equations |
| MA4-11NA | Creates and displays number patterns; graphs and analyses linear relationships; and performs transformations on the Cartesian plane |
| MA4-12MG | Calculates the perimeters of plane shapes and the circumferences of circles |
| MA4-13MG | Uses formulas to calculate the areas of quadrilaterals and circles, and converts between units of area |
| MA4-14MG | Uses formulas to calculate the columns of prisms and cylinders, and converts between units of volume |
| MA4-15MG | Performs calculations of time that involve mixed units, and interprets time zones |
| MA4-16MG | Applies Pythagoras’ theorem to calculate side lengths in right-angled triangles, and solves related problems |
| MA4-17MG | Classifies, describes and uses the properties of triangles and quadrilaterals, and determines congruent triangles to find unknown side lengths and angles |
| MA4-18MG | Identifies and uses angle relationships, including those related to transversals on sets of parallel lines |
| MA4-19SP | Collects, represents and interprets single sets of data, using appropriate statistical displays |
| MA4-20SP | Analyses single sets of data using measures of location, and range |
| MA4-21SP | Represents probabilities of simple and compound events |
| **SC** | SC4-7WS | Processes and analyses data from a first-hand investigation and secondary sources to identify trends, patterns and relationships, and draw conclusions |
| **GEOG** | GE4-7 | Acquires and processes geographical information by selecting and using geographical tools for inquiry. |
| GE4-8 | Communicates geographical information using a variety of strategies |
| **HIS** | HT4-2 | Describes major periods of historical time and sequences events, people and societies from the past |

|  |  |  |
| --- | --- | --- |
|  | **ACTIONS AND CHOICES** | |
| **ENGLISH** | EN4-4B | Makes effective language choices to creatively shape meaning with accuracy, clarity and coherence |
| EN4-7D | Demonstrates understanding of how texts can express aspects of their broadening world and their relationships within it |
| EN4-8D | Identifies, considers and appreciates cultural expression in texts |
| EN4-9E | Uses, reflects on and assesses their individual and collaborative skills for learning |
| **MATH** | MA4-2WM | Applies appropriate mathematical techniques to solve problems |
| MA4-6NA | Solve financial problems involving purchasing goods |
| MA4-21SP | Represents probabilities of simple and compound events |
| **SCIENCE** | SC4-1VA | Appreciates the importance of science in their lives and the role of scientific inquiry in increasing understanding of the world around them |
| SC4-2VA | Shows a willingness to engage in finding solutions to science-related personal, social and global issues, including shaping sustainable futures |
| SC4-3VA | Demonstrates confidence in making reasoned, evidence-based decisions about the current and future use and influence of science and technology, including ethical considerations |
| SC4-4WS | Identifies questions and problems that can be tested or researched and make predictions based on scientific knowledge |
| SC4-5WS | Collaboratively and individually produces a plan to investigate questions and problems |
| SC4-8WS | Selects and uses appropriate strategies, understanding and skills to produce creative and plausible solutions to identified problems |
| **GEOG** | GE4-2 | Describes processes and influences that form and transform places and environments |
| GE4-3 | Explains how interactions and connections between people, places and environments result in change. |
| GE4-4 | Examines perspectives of people and organisations on a range of geographical issues |
| **HISTORY** | HT4-3 | Describes and assesses the motives and actions of past individuals and groups in the context of past societies |
| HT4-4 | Describes and explains the causes and effects of events and developments of past societies over time |
| HT4-10 | Selects and uses appropriate oral, written, visual and digital forms to communicate about the past |

|  |  |  |
| --- | --- | --- |
|  | **INDEPENDENT LIVING SKILLS** | |
| **ENGLISH** | EN4-1A | Responds to and composes texts for understanding, interpretation, critical analysis, imaginative expression and pleasure |
| EN4-2A | Effectively uses a widening range of processes, skills, strategies and knowledge for responding to and composing texts in different media and technologies |
| EN4-3B | Uses and describes language forms, features and structures of texts appropriate to a range of purposes, audiences and contexts |
| EN4-4B | Makes effective language choices to creatively shape meaning with accuracy, clarity and coherence |
| EN4-9E | Uses, reflects on and assesses their individual and collaborative skills for learning |
| **MATHEMATICS** | MA4-6NA | Solve financial problems involving purchasing goods |
| MA4-12MG | Calculates the perimeters of plane shapes and the circumferences of circles |
| MA4-13MG | Uses formulas to calculate the areas of quadrilaterals and circles, and converts between units of area |
| MA4-14MG | Uses formulas to calculate the columns of prisms and cylinders, and converts between units of volume |
| MA4-15MG | Performs calculations of time that involve mixed units, and interprets time zones |
| MA4-19SP | Collects, represents and interprets single sets of data, using appropriate statistical displays |
| MA4-21SP | Represents probabilities of simple and compound events |
| **SCIENCE** | SC4-2VA | Shows a willingness to engage in finding solutions to science-related personal, social and global issues, including shaping sustainable futures |
| SC4-4WS | Identifies questions and problems that can be tested or researched and make predictions based on scientific knowledge |
| SC4-5WS | Collaboratively and individually produces a plan to investigate questions and problems |
| SC4-6WS | Follows a sequence of instructions to safely undertake a range of investigation types, collaboratively and individually |
| SC4-8WS | Selects and uses appropriate strategies, understanding and skills to produce creative and plausible solutions to identified problems |
| SC4-10PW | Describes the action of unbalanced forces in everyday situations |
| SC4-13ES | Explains how advances in scientific understanding of processes that occur within and on the Earth, influence the choices people make about resource use and management |
| SC4-17CW | Explains how scientific understanding of, and discoveries about the properties of elements, compounds and mixtures relate to their uses in everyday life. |
| **GEOG** | GE4-3 | Explains how interactions and connections between people, places and environments result in change. |
| GE4-4 | Examines perspectives of people and organisations on a range of geographical issues |
| GE4-5 | Discusses management of places and environments for their sustainability |
| **HIST** | HT4-5 | Identifies the meaning, purpose and context of historical texts |

|  |  |  |
| --- | --- | --- |
|  | **HEALTH AND WELLBEING** | |
| **ENGLISH** | EN4-1A | Responds to and composes texts for understanding, interpretation, critical analysis, imaginative expression and pleasure |
| EN4-7D | Demonstrates understanding of how texts can express aspects of their broadening world and their relationships within it |
| EN4-9E | Uses, reflects on and assesses their individual and collaborative skills for learning |
| **MATHS** | MA4-19SP | Collects, represents and interprets single sets of data, using appropriate statistical displays |
| **SC** | SC4-1VA | Appreciates the importance of science in their lives and the role of scientific inquiry in increasing understanding of the world around them |
| **GEOG** | GE4-3 | Explains how interactions and connections between people, places and environments result in change. |
| GE4-6 | Explains differences in human wellbeing |
| **H** | HT4-3 | Describes and assesses the motives and actions of past individuals and groups in the context of past societies |



|  |  |  |
| --- | --- | --- |
|  | **21st CENTURY LEARNER** | |
| **ENG** | EN4-2A | Effectively uses a widening range of processes, skills, strategies and knowledge for responding to and composing texts in different media and technologies |
| EN4-9E | Uses, reflects on and assesses their individual and collaborative skills for learning |
| **MATHS** | MA4-19SP | Collects, represents and interprets single sets of data, using appropriate statistical displays |
| **SCIENCE** | SC4-3VA | Demonstrates confidence in making reasoned, evidence-based decisions about the current and future use and influence of science and technology, including ethical considerations |
| SC4-11PW | Discusses how scientific understanding and technological developments have contributed to finding solutions to problems involving energy transfers and transformations |
| **GEOG** | GE4-7 | Acquires and processes geographical information by selecting and using geographical tools for inquiry. |
| GE4-8 | Communicates geographical information using a variety of strategies |
| **HIST** | HT4-8 | Locates, selects and organises information from sources to develop an historical inquiry |
| HT4-10 | Selects and uses appropriate oral, written and digital forms to communicate about the past. |

|  |  |  |
| --- | --- | --- |
|  | **GLOBAL CITIZEN** | |
| **ENGLISH** | EN4-3B | Uses and describes language forms, features and structures of texts appropriate to a range of purposes, audiences and contexts |
| EN4-5C | Thinks imaginatively, creatively, interpretively and critically about information, ideas and arguments to respond to and compose texts |
| EN4-7D | Demonstrates understanding of how texts can express aspects of their broadening world and their relationships within it |
| EN4-8D | Identifies, considers and appreciates cultural expression in texts |
| EN4-9E | Uses, reflects on and assesses their individual and collaborative skills for learning |
| **MATHS** | MA4-7NA | Operates with ratios and rates, and explores their graphical representation |
| **SCIENCE** | SC4-1VA | Appreciates the importance of science in their lives and the role of scientific inquiry in increasing understanding of the world around them |
| SC4-2VA | Shows a willingness to engage in finding solutions to science-related personal, social and global issues, including shaping sustainable futures |
| SC4-3VA | Demonstrates confidence in making reasoned, evidence-based decisions about the current and future use and influence of science and technology, including ethical considerations |
| SC4-5WS | Collaboratively and individually produces a plan to investigate questions and problems |
| SC4-11PW | Discusses how scientific understanding and technological developments have contributed to finding solutions to problems involving energy transfers and transformations |
| SC4-12ES | Describes the dynamic nature of models, theories and laws in developing scientific understanding of the Earth and solar system |
| SC4-13ES | Explains how advances in scientific understanding of processes that occur within and on the Earth, influence the choices people make about resource use and management |
| SC4-14LW | Relates the structure and function of living things to their classification, survival and reproduction |
| SC4-15LW | Explains how new biological evidence changes people’s understanding of the world |
| SC4-16CW | Describes the observed properties and behaviour of matter, using scientific models and theories about the motion and arrangement of particles |
| **GEOG** | GE4-1 | Locates and describes the diverse features and characteristics of a range of places and environments |
| GE4-2 | Describes processes and influences that form and transform places and environments |
| GE4-3 | Explains how interactions and connections between people, places and environments result in change |
| GE4-4 | Examines perspectives of people and organisations on a range of geographical issues |
| GE4-6 | Explains differences in human wellbeing |
| **HISTORY** | HT4-1 | Describes the nature of history and archaeology and explains their contribution to an understanding of the past |
| HT4-2 | Describes major periods of historical time and sequences events, people and societies from the past |
| HT4-3 | Describes and assesses the motives and actions of past individuals and groups in the context of past societies |
| HT4-4 | Describes and explains the causes and effects of events and developments of past societies over time |
| HT4-7 | Identifies and describes different contexts, perspectives and interpretations of the past |