Science Unit

‘Up the Pipe’ –Part 1

***Water is a precious taonga***

Term:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Year(s)** | **Level(s)** | **Duration** | **Teacher** | **Classroom** |
|  | **1 and 2** |  |  |  |

|  |  |
| --- | --- |
| Select the Strand(s) and the Achievement Objectives to be assessed | |
| Material World | |
| **Chemistry and Society:** find out the uses of common materials and relate these to their observed properties | |
| Nature of Science | |
| .**Understanding about Science:**  Appreciate that scientists ask questions about our world that lead to investigations and that open-mindedness is important because there may be more than one explanation | |
| **Specific Learning Intentions: Students will:**   * Understand that water is a precious resource (taonga) that we all must look after for the future * Explore how they interact with water in their daily lives * Be motivated to learn about water conversation * Understand that as water consumers we all have a responsibility to use water carefully * Recognize that water resources can be found in nature in a variety of forms * Students will be able to summarise the significance of the water supply. | |
| **Participating and Contributing:** explore and act on issues and questions that link their science learning to their daily  living | |
| **Additional Curriculum areas**  🗸 Numeracy  🗸 Literacy  🗸 Technology  🗸 Arts  🗸 Drama | **Assessment criteria** |
| **Key Competencies focus: (Select only those being focused on)**  ***Thinking*** - develop understanding, making decisions, shaping actions.  ***Using language, symbols and text*** - Use language of science, communicate scientific information, interpret scientific information.  ***Managing self*** – Make plans, manage projects, meet challenges.  ***Participating and contributing*** - Involving family, whanau, community. Contributing effectively, contributing to the quality and sustainability of the environment. | |
| **Teaching and Learning Activities**   * **Use attached “student learning experiences and activities – panels 7,8,27,28** | |
| **Resources** | |
| **Unit Evaluation** | |

Science Unit

‘Up the Pipe’ –Part 2

***Are the products we use safe for us and our environment?***

Term:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Year(s)** | **Level(s)** | **Duration** | **Teacher** | **Classroom** |
|  | **1 and 2** |  |  |  |

|  |  |
| --- | --- |
| Select the Strand(s) and the Achievement Objectives to be assessed | |
| Nature of Science | |
| **Investigating in science**  🞏Students will extend their experiences and personal explanations of the natural world through exploration, play, and asking questions.  **Participating and contributing**  🞏Students will explore and act on an issue that links their science learning to their daily living. | |
| Planet earth and Beyond | |
| .**Interacting cycles**  🞏Describe how natural events and human actions can affect the local environment. | |
| **Specific Learning Intensions: Students will :**   * engage in personal and community projects that will help to restore and sustain the health and mauri of our waters. | |
| **Participating and Contributing:** explore and act on issues and questions that link their science learning to their daily  living | |
| **Additional Curriculum areas**  🗸 Numeracy  🗸 Literacy  🗸 Technology  🗸 Arts  🗸 Drama | **Assessment criteria** |
| **Key Competencies focus:** (Select only those being focused on)  ***Thinking*** - develop understanding, making decisions, shaping actions.  ***Using language, symbols and text*** - Use language of science, communicate scientific information, interpret scientific information.  ***Managing self*** – Make plans, manage projects, meet challenges.  ***Participating and contributing*** - Involving family, whanau, community. Contributing effectively, contributing to the quality and sustainability of the environment. | |
| **Teaching and Learning Activities**   * **Use attached “student learning experiences and activities – panels 1,2,3,4,9,12** | |
| **Resources** | |
| **Unit Evaluation** | |