

Amazing Maze 'n' Maize Transport Yourself Teaching Units (Level 2)



Level	Curriculum Learning Area	Unit Title	Summary of Unit
Two Years 3 - 4	<p>Social Science</p> <ul style="list-style-type: none"> • Continuity and Change Understand how the time and change affect people's lives. • Identity, Culture, and Organization. Understand how many people make significant contributions to New Zealand society. <p><i>Key Competency (KC)</i></p>	<p>1. Evolution of Transportation</p> <p>2. Pioneers of Transportation</p> <p>3. New Zealand Inventors</p> <p><i>Thinking</i></p>	<p>1. The children will discuss the history of transportation more specifically the now and then of planes, trains, bikes, tractors and cars noting the huge changes that have taken place in the past century. They could discuss how these changes have had an economic benefit to people and society as a whole. Eg. Tourism, Imports, Exports.</p> <p>2. The children will discuss and learn the about some of the leading pioneers in transportation, including some of the controversy in who was first. Eg Plane - Wright Brothers Steam Locomotive - Richard Trerithick 1803 First self propelled Bike- Kirkpatrick Macmillan 1839 Diesel Engine - Rudolf Diesel</p> <p>3. The children will research some of the inventors of transportation past and present here in New Zealand and will learn what contribution this has or will have to society. Eg. Richard Pearse 1903- Plane Glenn Martin 2008 - Jet Pack</p> <p><i>This will show the children how past events have an impact on the future and will give the children an insight into our how these changes have had and will continue to have an impact on our society.</i></p> <p><i>KC: Thinking Maps, Bubble Maps, and Brainstorming.</i></p>
	<p>Arts</p> <ul style="list-style-type: none"> • Visual Arts <p><i>Key Competency (KC)</i></p>	<p>1. Paper Mache</p> <p><i>Participating and Contributing</i></p>	<p>1. The children will design and construct a paper Mache flying machine out of bottles, balloons, newspaper and paint.</p> <p><i>This is a fun and interesting activities using an interesting media.</i></p> <p><i>KC: Being involved and doing their part to achieve the final</i></p>
	<p>Science</p> <ul style="list-style-type: none"> • Physical World Physical inquiry and physics concepts. • Planet Earth and Beyond Physical inquiry and physics concepts. <p><i>Key Competency (KC)</i></p>	<p>1. Flight Demonstration</p> <p>2. Space</p> <p><i>Thinking</i></p>	<p>1. The children will explore the physical phenomena of the forces and movement involved in flight using an aerofoil demonstration and will see how this causes lift. They can construct their own experiment to how it works. They can then compare the flight of a bird to a plane and discuss the differences and similarities.</p> <p>2. The children will share and explore some simple observations about the Moon and the Sun and learn what effects these have on Earth. They will also discuss how and why space travel is continuously extending our knowledge on this topic.</p> <p><i>This will demonstrate an awareness of basic scientific principles and help build their scientific vocabulary.</i></p> <p><i>KC: Questioning, Observing & Predicting.</i></p>

	<p>Mathematics with Statistics</p> <ul style="list-style-type: none"> • Number • Measurement <p><i>Key Competency (KC)</i></p>	<p>1. NUMP Problems</p> <p>2. Place Value</p> <p>3. Measuring Distance</p> <p><i>Managing Self</i></p>	<p>1. The children will solve a variety of simple number problems involving counting and grouping different vehicles.</p> <p>2. The children will learn about place value of numbers while discussing the distances that can be travelled.</p> <p>3. The children will learn how to measure using the appropriate tools and units of some distances travelled. Some may begin to understand the conversion between mm, cm, and km.</p> <p><i>KC: Personal goal setting and self motivation skills</i></p>
	<p>English</p> <ul style="list-style-type: none"> • Listening, Reading and Viewing. • Speaking, Writing and Presenting <p><i>Key Competency (KC)</i></p>	<p>1. Famous People</p> <p>2. Travelling to the Amazing Maze 'n' Maize.</p> <p>3. Letter Writing</p> <p><i>Using Language, Symbols and Texts.</i></p>	<p>1. The children will listen to a variety of stories about some historical moments in transportation history. Eg. Richard Pearse first New Zealander to fly a plane, Jean Batten first Trans Tasman Flight.</p> <p>2. The children will write, edit and publish an imaginative description on how they could 'transport' themselves to the <i>Amazing Maize 'n' Maze</i>.</p> <p>3. The children will write a Thank you letter to a parent who may have taken them to <i>A Maze 'n; Fun</i>, using the correct letter format.</p> <p><i>This will demonstrate an awareness of different text and formats for different purposes and audiences.</i></p> <p><i>KC: Communicating Information. Use editing skills.</i></p>
	<p>Health and Physical Education</p> <ul style="list-style-type: none"> • Healthy communities and Environments. <p><i>Key Competency (KC)</i></p>	<p>1. Walk, Run, Skip</p> <p>2. Conservation</p> <p><i>Participating and Contributing</i></p>	<p>1. The children will discover that one of the cheapest and healthiest forms of transportation are their feet. They will do a variety of running, skipping and walking games.</p> <p>2. The children will discuss how modern forms of transportation can pollute the air and what they can do to minimise this. E.g. Biking, walking, car-pooling.</p> <p><i>This will demonstrate an awareness of the children's personal responsibilities with regards to transportation.</i></p> <p><i>KC: Listening and adding to others' ideas.</i></p>
	<p>Technology</p> <ul style="list-style-type: none"> • Technological Practice Planning for practice Brief development <p><i>Key Competency (KC)</i></p>	<p>1. Design and Invention</p> <p><i>Relating to Others & Managing Self</i></p>	<p>1. The children will develop a simple brief designing a basic product that they could make to help transport them to the <i>Amazing Maize 'n' Maze</i>.</p> <p><i>This will demonstrate how technology is created for a specific need by having the opportunity to access a specific resource.</i></p> <p><i>KC: Setting achievable goals and completing the brief to this standard.</i></p>