

Amazing Maze 'n' Maize Transport Yourself Teaching Units (Level 4)



Level	Curriculum Learning Area	Unit Title	Summary of Unit
Four Years 7 - 8	<p>Social Science</p> <ul style="list-style-type: none"> • Continuity and Change Understand that events have cause and effects. <p>Understand that events have cause and effects.</p> <ul style="list-style-type: none"> • Identity, Culture, and Organization. <p>Understand how people pass on and sustain culture and heritage for different reasons and that this has consequences for people.</p> <p>Understand how producers and consumers exercise their rights and meet their responsibilities.</p> <p><i>Key Competency (KC)</i></p>	<p>1. Evolution of Transportation</p> <p>2. Historical Tragedies</p> <p>3. Consequences of transportation on our culture.</p> <p>4. Safety Standards</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 research and study the cause and effect of some of New Zealand historical transportation tragedies such as Erebus, Wahine and Tangwhai.</p> <p>3. New Zealand has become a culturally diverse country; the children will discuss how the technology of transportation has increased the number of immigrants over the past century looking at New Zealand's population over time. They will look at how the culture of some forms of transportation has or has not changed with time and what impact this has on our culture and heritage.</p> <p>4. The children will look into the responsibility a producer has by adhering to different safety standards while producing their products specifically transportation devices. They will see what happens if these are not adhered to and how and who implements these safety standards. They may look into the different safety standards required for different products, such as car verses a boat.</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 Art <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 miniature transportation machine, eg. Plane, Car, Hot Air Balloon, Tractor 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 style="text-align: center;">Mathematics with Statistics</p> <ul style="list-style-type: none"> • Number • Measurement <p style="text-align: center;"><i>Key Competency (KC)</i></p>	<p>1. NUMP Problems</p> <p>2. Place Value</p> <p>3. Measuring Distance</p> <p style="text-align: center;"><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. They will understand the conversion between mm, cm, and km. And may begin to understand the calculation of speed using distance and time.</p> <p style="text-align: center;"><i>KC: Personal goal setting and self motivation skills</i></p>
	<p style="text-align: center;">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 style="text-align: center;"><i>Key Competency (KC)</i></p>	<p>1. Flight Demonstration</p> <p>2. Space</p> <p style="text-align: center;"><i>Thinking</i></p>	<p>1. The children will explore the physical phenomena of the forces and movement involved in flight using a basic aerofoil demonstration and will see how this causes lift. They can then compare the flight of a bird to a plane and discuss the differences and similarities.</p> <p>2. The children will investigate the components of the solar system learning about the different planets. They will also discuss how and why space travel is continuously extending our knowledge on this topic.</p> <p style="text-align: center;"><i>This will demonstrate an awareness of basic scientific principles and help build their scientific vocabulary.</i></p> <p style="text-align: center;"><i>KC: Questioning, Observing & Predicting.</i></p>
	<p style="text-align: center;">English</p> <ul style="list-style-type: none"> • Speaking, Writing and Presenting <p style="text-align: center;"><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 style="text-align: center;"><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>They will then write a report on one of these people describing the events that took place to make this person famous.</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 style="text-align: center;"><i>This will demonstrate an awareness of different text and formats for different purposes and audiences.</i></p> <p style="text-align: center;"><i>KC: Communicating Information. Use editing skills.</i></p>

	<p style="text-align: center;">Health and Physical Education</p> <ul style="list-style-type: none"> • Healthy communities and Environments. <p style="text-align: center;"><i>Key Competency (KC)</i></p>	<p>1. Walk, Run, Skip</p> <p>2. Conservation</p> <p style="text-align: center;"><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 style="text-align: center;">Technology</p> <ul style="list-style-type: none"> • Technological Practice Planning for practice Brief development <p style="text-align: center;"><i>Key Competency (KC)</i></p>	<p>1. Design and Invention</p> <p style="text-align: center;"><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>. They could then look into what is involved in prototyping this design and discuss how this is an integral part of designing a product. This could then be presented to the class.</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>