

# Telethon Kids Discovery Centre

## Schools Workshop Excursion Program

Located on the ground floor at the northern entrance of the Perth Children’s Hospital, the Telethon Kids Discovery Centre is a fun and interactive space full of games designed to get kids excited about science, health and research. Our primary school program provides a chance for students in Years 3 - 6 to visit the Telethon Kids Discovery Centre for an excursion, interact with a real-life Telethon Kids researcher and see STEM subjects come to life, as they are applied to life-saving medical research.

### Topics on offer for our Excursion Program:

EXCURSION TOPIC	RECOMMENDED YEAR LEVEL	AUSTRALIAN CURRICULUM LINKS
<p><b>Get a Lung of this</b> Discover the power of our lungs and make some slimy mucous to investigate how this affects kids with chronic respiratory illnesses. Students will*:</p> <ul style="list-style-type: none"> <li>✓ Build a lung model to learn about how our lungs work</li> <li>✓ Learn about chronic respiratory illnesses, such as asthma and cystic fibrosis</li> <li>✓ Make slimy mucous to investigate how this affects your breathing</li> </ul> <p>Explore some of the research work happening in the area of respiratory health</p>	<p><b>Year 3</b></p>	<p><b>Science Understanding</b></p> <ul style="list-style-type: none"> <li>🔍 Biological sciences (ACSSU044)</li> </ul> <p><b>Science Inquiry Skills</b></p> <ul style="list-style-type: none"> <li>🔍 Questioning and predicting (ACSIS053)</li> <li>🔍 Planning and conducting (ACSIS054)</li> <li>🔍 Processing and analysing data and information (ACSIS215)</li> <li>🔍 Communicating (ACSIS060)</li> </ul> <p><b>Science as a Human Endeavour</b></p> <ul style="list-style-type: none"> <li>🔍 Nature and development of science (ACSHE050)</li> <li>🔍 Use and influence of science (ACSHE051)</li> </ul>
	<p><b>Year 4</b></p>	<p><b>Science Understanding</b></p> <ul style="list-style-type: none"> <li>🔍 Biological sciences (ACSSU072 &amp; ACSSU073)</li> </ul> <p><b>Science Inquiry Skills</b></p> <ul style="list-style-type: none"> <li>🔍 Questioning and predicting (ACSIS064)</li> <li>🔍 Planning and conducting (ACSIS065 &amp; ACSIS066)</li> <li>🔍 Processing and analysing data and information (ACSIS216)</li> <li>🔍 Communicating (ACSIS071)</li> </ul> <p><b>Science as a Human Endeavour</b></p> <ul style="list-style-type: none"> <li>🔍 Nature and development of science (ACSHE061)</li> <li>🔍 Use and influence of science (ACSHE062)</li> </ul>

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<p><b>Food Futures</b></p> <p>What is the future of food and nutrition? In this workshop your students will get to explore and use our 3D- food printers to create futuristic food and learn all about nutrition. Students will:</p> <ul style="list-style-type: none"> <li>✓ Prepare food to go in our 3-D food printer</li> <li>✓ Use their imagination to design their own 3D printed foods</li> <li>✓ See our 3-D food printer in action</li> <li>✓ Learn about nutrition through an interactive game</li> </ul>	<p><b>Year 3</b></p>	<p><b>Science</b></p> <p><b>Science as a Human Endeavor</b></p> <ul style="list-style-type: none"> <li>🕒 Use and influence of science ACSHE051</li> </ul> <p><b>Science Inquiry Skills</b></p> <ul style="list-style-type: none"> <li>🕒 Questioning and predicting ACSIS053</li> <li>🕒 Communicating ACSIS060</li> </ul> <p><b>Health and Physical Education</b></p> <ul style="list-style-type: none"> <li>🕒 Being healthy, safe and active ACPPS036</li> <li>🕒 Communicating and interacting for health and wellbeing ACPPS039</li> </ul> <p><b>Design and Technologies</b></p> <ul style="list-style-type: none"> <li>🕒 Knowledge and Understanding Technologies and society ACTDEK010</li> <li>🕒 Technology concepts ACTDEK012</li> </ul> <p><b>Creating Solutions by:</b></p> <ul style="list-style-type: none"> <li>🕒 Designing WATPPS17</li> <li>🕒 Evaluating WATPPS19</li> <li>🕒 Collaborating and managing WATPPS20</li> </ul>
	<p><b>Year 4</b></p>	<p><b>Science</b></p> <p><b>Science as a Human Endeavor</b></p> <ul style="list-style-type: none"> <li>🕒 Nature and development of science ACSHE061</li> <li>🕒 Use and influence of science ACSHE062</li> </ul> <p><b>Science Inquiry Skills</b></p> <ul style="list-style-type: none"> <li>🕒 Questioning and predicting ACSIS064</li> <li>🕒 Communicating ACSIS071</li> </ul> <p><b>Health and Physical Education</b></p> <ul style="list-style-type: none"> <li>🕒 Being healthy, safe, and active ACPPS036 and ACPPS040</li> <li>🕒 Communicating and interacting for health and wellbeing ACPPS039</li> </ul> <p><b>Design and Technologies</b></p> <ul style="list-style-type: none"> <li>🕒 Knowledge and Understanding Technologies and society ACTDEK010</li> <li>🕒 Technology concepts ACTDEK012</li> </ul> <p><b>Creating Solutions by:</b></p> <ul style="list-style-type: none"> <li>🕒 Designing WATPPS23</li> <li>🕒 Evaluating WATPPS25</li> <li>🕒 Collaborating and managing WATPPS26</li> </ul>

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<p><b>How Sweet It is!</b> Investigate the role of sugar and insulin in our bodies, and how they affect people with diabetes by measuring the level of glucose in sugary drinks. Students will*:</p> <ul style="list-style-type: none"> <li>✓ Investigate why “Insulin is Key!”</li> <li>✓ Work like a researcher by conducting a simple experiment to measure the glucose in various drinks</li> <li>✓ Record and communicate the results of their experiment</li> <li>✓ Learn about technologies that assist people with type 1 diabetes</li> </ul>	<p><b>Year 3</b></p>	<p><b>Science Understanding</b></p> <ul style="list-style-type: none"> <li>🕒 Biological sciences (ACSSU044)</li> <li>🕒 Chemical sciences (ACSSU46)</li> </ul> <p><b>Science Inquiry Skills</b></p> <ul style="list-style-type: none"> <li>🕒 Questioning and predicting (ACIS053)</li> <li>🕒 Planning and conducting (ACIS054 and ACIS055)</li> <li>🕒 Processing and analysing data and information (ACIS215 and ACIS057)</li> <li>🕒 Communicating (ACIS060)</li> </ul> <p><b>Science as a Human Endeavour</b></p> <ul style="list-style-type: none"> <li>🕒 Use and influence of science (ACSHE051)</li> </ul>
	<p><b>Year 4</b></p>	<p><b>Science Understanding</b></p> <ul style="list-style-type: none"> <li>🕒 Biological sciences (ACSSU072 &amp; ACSSU073)</li> <li>🕒 Chemical sciences (ACSSU074)</li> </ul> <p><b>Science Inquiry Skills</b></p> <ul style="list-style-type: none"> <li>🕒 Questioning and predicting (ACIS064)</li> <li>🕒 Planning and conducting (ACIS065 &amp; ACIS066)</li> <li>🕒 Processing and analysing data and information (ACIS216 and ACIS068)</li> <li>🕒 Communicating (ACIS071)</li> </ul> <p><b>Science as a Human Endeavour</b></p> <ul style="list-style-type: none"> <li>🕒 Use and influence of science (ACSHE062)</li> </ul>
	<p><b>Year 5</b></p>	<p><b>Science Inquiry Skills</b></p> <ul style="list-style-type: none"> <li>🕒 Questioning and predicting (ACIS231)</li> <li>🕒 Planning and conducting (ACIS086 and ACIS087)</li> <li>🕒 Processing and analysing data information (ACIS090 and ACIS218)</li> <li>🕒 Evaluating (ACIS091)</li> <li>🕒 Communicating (ACIS093)</li> </ul>
	<p><b>Year 6</b></p>	<p><b>Science Inquiry Skills</b></p> <ul style="list-style-type: none"> <li>🕒 Questioning and predicting (ACIS231)</li> <li>🕒 Planning and conducting (ACIS103 and ACIS104)</li> <li>🕒 Processing and analysing data and information (ACIS107 and ACIS221)</li> <li>🕒 Evaluating (ACSUS108)</li> <li>🕒 Communicating (ACIS110)</li> </ul>

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<p><b>Delicious DNA</b></p> <p>Explore the world of DNA through a hands-on activity where your students will extract the DNA from strawberries. Students will*:</p> <ul style="list-style-type: none"> <li>✓ Learn about the role of DNA in living things</li> <li>✓ Name the components that make up DNA, including learning about the base pairing rule</li> <li>✓ Work like a researcher by following precise instructions for DNA extraction</li> <li>✓ Explore some of the real-life reasons why our researchers extract and study DNA</li> </ul>	Year 5	<p><b>Science Understanding</b></p> <ul style="list-style-type: none"> <li>🔗 Biological sciences ACSSU043</li> </ul> <p><b>Science Inquiry Skills</b></p> <ul style="list-style-type: none"> <li>🔗 Questioning and predicting ACSIS231</li> <li>🔗 Planning and conducting ACSIS086</li> <li>🔗 Processing and analysing data and information ACSIS218</li> <li>🔗 Evaluating ACSIS091</li> <li>🔗 Communicating ACSIS093</li> </ul>
	Year 6	<p><b>Science Understanding</b></p> <ul style="list-style-type: none"> <li>🔗 Chemical sciences ACSSU095</li> </ul> <p><b>Science Inquiry Skills</b></p> <ul style="list-style-type: none"> <li>🔗 Questioning and predicting ACSIS232</li> <li>🔗 Planning and conducting ACSIS103</li> <li>🔗 Processing and analysing data and information ACSIS221</li> <li>🔗 Evaluating ACSIS108</li> <li>🔗 Communicating ACSIS110</li> </ul>

EXCURSION TOPIC	RECOMMENDED YEAR LEVEL	AUSTRALIAN CURRICULUM LINKS
<p><b>Microscopic World</b></p> <p>Bacteria are everywhere but do you know the difference between good and bad? In this workshop your students will explore the world of bacteria. Students will:</p> <ul style="list-style-type: none"> <li>✓ Learn about good and bad bacteria through a bacteria bingo game</li> <li>✓ Create their own slides of yoghurt bacteria</li> <li>✓ Learn how to use a microscope</li> <li>✓ Get to look at bacteria through our high-powered microscope</li> </ul>	Year 5	<p><b>Science Inquiry Skills</b></p> <ul style="list-style-type: none"> <li>🔗 Questioning and predicting ACSIS231</li> <li>🔗 Planning and conducting ACSIS086 and ACSIS087</li> <li>🔗 Processing and analysing data information ACSIS090 and ACSIS218</li> <li>🔗 Evaluating ACSIS091</li> <li>🔗 Communicating ACSIS093</li> </ul>
	Year 6	<p><b>Science Inquiry Skills</b></p> <ul style="list-style-type: none"> <li>🔗 Questioning and predicting ACSIS232</li> <li>🔗 Planning and conducting ACSIS103 and ACSIS104</li> <li>🔗 Processing and analysing data information ACSIS107 and ACSIS221</li> <li>🔗 Evaluating ACSIS108</li> <li>🔗 Communicating ACSIS110 (ACSHE062)</li> </ul>

EXCURSION TOPIC	RECOMMENDED YEAR LEVEL	AUSTRALIAN CURRICULUM LINKS
<p><b>Meet a Researcher</b></p> <p>Meet a researcher allows your students to find out what a career in science and STEM really looks like from a real-life Telethon Kids researcher. Each excursion workshop includes a talk on the researcher's journey, what their current research is and a small hands-on activity to demonstrate their research. Each presentation will be unique to your class.</p>	Year 5	N/A
<ul style="list-style-type: none"> <li>✓ Learn about the researcher's journey.</li> <li>✓ Hear about their research.</li> <li>✓ Complete an activity that relates to the research.</li> </ul>	Year 6	N/A

**\*Each excursion topic also includes time to explore the interactive games in our Discovery Centre and a guided tour of a real-life working lab.**

For more information or any other enquiries, visit our [website](#) or send us an [email](#).

We hope to welcome you on an excursion to Telethon Kids Institute soon!