The Kids Research Institute Australia
EXCURSION PROGRAM

EXCURSION TOPICS + CURRICULUM LINKS

Located on the ground floor at the northern entrance of the Perth Children's Hospital, The Kids Research Institute Australia 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 The Kids Discovery Centre for an excursion, interact with a real-life The 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
 **Get a Lung of this** Discover the power of our lungs and make some slimy mucous to investigate how this affects kids with chronic respiratory illnesses. Students will*: ✓ **Build a lung model to learn about how our lungs work** ✓ **Learn about chronic respiratory illnesses, such as asthma and cystic fibrosis** ✓ **Make slimy mucous to investigate how this affects your breathing** Explore some of the research work happening in the area of respiratory health.	**Year 3**	**Science Understanding** Biological sciences **Science Inquiry** Questioning and predicting Planning and conducting Processing, modelling and analysing Evaluating Communicating Collaborating and applying
	Year 4	**Science Understanding** Biological sciences **Science Inquiry** Questioning and predicting Planning and conducting Processing, modeling and analysing Evaluating Communicating Collaborating and applying

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

EXCURSION TOPIC	RECOMMENDED YEAR LEVEL	AUSTRALIAN CURRICULUM LINKS
  **Food Futures** 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: ✓ **Prepare food to go in our 3-D food printer** ✓ **Use their imagination to design their own 3D printed foods** ✓ **See our 3-D food printer in action** ✓ **Learn about nutrition through an interactive game**	**Year 3**	**Science Inquiry** Questioning and predicting Communicating Collaborating and applying **Health and Physical Education** Being healthy, safe and active Communicating and interacting for health and wellbeing **Design and Technologies** Knowledge and Understanding Technologies and society Technology concepts **Creating Solutions by:** Designing Evaluating
	Year 4	**Science Inquiry** Questioning and predicting Communicating Collaborating and applying **Health and Physical Education** Being healthy, safe and active Communicating and interacting for health and wellbeing **Design and Technologies** Knowledge and Understanding Technologies and society Technology concepts **Creating Solutions by:** Designing Evaluating

EXCURSION TOPIC	RECOMMENDED YEAR LEVEL	AUSTRALIAN CURRICULUM LINKS
 **How Sweet It is!** 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*: ✓ Investigate why "Insulin is Key!" ✓ Work like a researcher by conducting a simple experiment to measure the glucose in various drinks ✓ Record and communicate the results of their experiment ✓ Learn about technologies that assist people with type 1 diabetes	**Year 3**	**Science Understanding** Biological sciences Chemical sciences **Science Inquiry** Questioning and predicting Planning and conducting Processing, modeling and analysing Evaluating Communicating Collaborating and applying
	Year 4	**Science Understanding** Biological sciences Chemical sciences **Science Inquiry** Questioning and predicting Planning and conducting Processing, modeling and analysing Evaluating Communicating Collaborating and applying
	Year 5	**Science Inquiry** Questioning and predicting Planning and conducting Processing, modeling and analysing Evaluating Communicating Collaborating and applying
	Year 6	**Science Inquiry** Questioning and predicting Planning and conducting Processing, modeling and analysing Evaluating Communicating Collaborating and applying

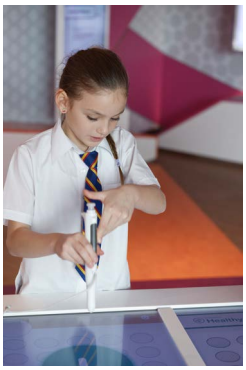
**This excursion topic also includes time to explore the interactive games in our Discovery Centre and a guided tour of a real-life working lab.*

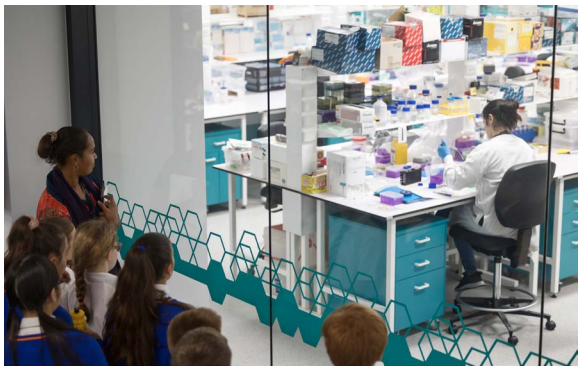
EXCURSION TOPIC	RECOMMENDED YEAR LEVEL	AUSTRALIAN CURRICULUM LINKS
 **Delicious DNA** Explore the world of DNA through a hands-on activity where your students will extract the DNA from strawberries. Students will*: ✓ Learn about the role of DNA in living things ✓ Name the components that make up DNA, including learning about the base pairing rule ✓ Work like a researcher by following precise instructions for DNA extraction ✓ Explore some of the real-life reasons why our researchers extract and study DNA	**Year 5**	**Science Understanding** Biological sciences **Science Inquiry** Questioning and predicting Planning and conducting Processing, modelling and analysing Evaluating Communicating Collaborating and applying
	Year 6	**Science Understanding** Chemical sciences **Science Inquiry** Questioning and predicting Planning and conducting Processing, modelling and analysing Evaluating Communicating Collaborating and applying

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

EXCURSION TOPIC	RECOMMENDED YEAR LEVEL	AUSTRALIAN CURRICULUM LINKS
 **Microscopic World** 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: ✓ Learn about good and bad bacteria through a bacteria bingo game ✓ Create their own slides of yoghurt bacteria ✓ Learn how to use a microscope ✓ Get to look at bacteria through our high-powered microscope	**Year 5**	**Science Inquiry** Questioning and predicting Planning and conducting Processing, modelling and analysing Evaluating Communicating Collaborating and applying
	Year 6	**Science Inquiry** Questioning and predicting Planning and conducting Processing, modelling and analysing Evaluating Communicating Collaborating and applying

EXCURSION TOPIC	RECOMMENDED YEAR LEVEL	AUSTRALIAN CURRICULUM LINKS
Meet a Researcher Meet a researcher allows your students to find out what a career in science and STEM really looks like from one of The Kids real-life researchers. 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. ✔ Learn about the researcher's journey. ✔ Hear about their research. ✔ Complete an activity that relates to the research.	Year 5	N/A
	Year 6	N/A



***Most excursion topics 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 The Kids Research Institute Australia soon!