

DEEP BLUE

Diving into Marine Innovation. The Future of our Oceans.



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NATIONAL SCIENCE WEEK 2020

This year, Street Science will be celebrating National Science Week 2020: Deep Blue: Innovation for the future of our oceans with our brand new show "DEEP BLUE: A Dive into Marine Innovation – the future of our oceans".

Join us for these spectacular stage shows as students are taken on a journey through the depths of our oceans as we explore the impacts of modern technology and scientific discoveries on our Oceans. Presenters engage audiences by providing a greater understanding of ocean currents, pressure and density, ocean animals and the impact our waste is having on the marine environment.



STRAP YOURSELF IN FOR THIS HIGH-ENERGY STAGE SHOW PRODUCED ESPECIALLY IN ALIGNMENT WITH THE 2020 NATIONAL SCIENCE WEEK SCHOOL'S THEME!

WHY BOOK? Deep Blue

In what is set to be a truly engaging, exciting and educational wholeschool event, this year's high energy stage-show explores our ability as humans to innovate and navigate the deep ocean which covers over 70% of planet earth. By understanding the depths of human exploration and investigating the effect of phenomena such as currents, pressure, lack of visibility and light, students will journey well beyond the surface, providing the perfect platform to inspire a generation of innovators invested in our ocean's health.

Highlights of the Show include our Cartesian Diver demonstration, Whales Toothpaste, Turtle Trash and Bioluminescence demonstrations.





This year, with a limited touring period through Semester 2, the brand new "DEEP BLUE" stage show will also be available as a Live Broadcast Show OR Pre-Recorded show for schools that are unable to book a face to face show for their National Science Week celebrations!

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THE COMBINATION OF EXPERIMENTS AND STUDENT INTERACTION WAS EXCELLENT. STUDENTS WERE ENGAGED AND ENTHUSIASTICALLY PARTICIPATING.

TEACHER ST THOMAS MORE COLLEGE

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\$7 PER STUDENT (+GST)

LIVE SHOW | FACE-TO-FACE

Join us for these spectacular stage shows as students are taken on a journey through the depths of our oceans as we explore the impacts of modern technology and scientific discoveries on our Oceans.

Presenters engage audiences by providing a greater understanding of ocean currents, pressure and density, ocean animals and the impact our waste is having on the marine environment.

Strap yourselves in for this high-energy stage show produced especially in alignment with the 2020 National Science Week school's theme.

Bring this exclusive live tour or pre-recorded show to your school in Semester II and we will inspire your students, invigorate your teachers, and have everyone in your school community celebrating science!







TIERED PRICING

0 - 250 Students **\$500 (+GST)**

250 - 500 Students \$750 (+GST)

500 - 1,000 Students \$1,000 (+GST)



LIVE BROADCAST SHOW



Interact with a Street Scientist LIVE in our premium National Science Week Show live broadcast. This premium National Science Week Show is available live with Q&A in one of our three daily booking windows.

Suitable for Prep/Foundation to Year 10, your whole school can broadcast to an unlimited number of students either as a class or individually on student one-to-one devices!

Choose the session that suits your school and get ready to be taken on a journey with our Scientists as they explore the depths of our Oceans and uncover some of the science lurking underneath the waves.

Live National Science Week Show available on request with 45-minute show delivered within these times:





PRE-RECORDED SHOW

Experience our pre-recorded premium National Science Week Show developed and filmed especially for young scientists for this year's National Science Week theme, Deep Blue. Be taken on a journey with our scientists as they explore the depths of our Oceans and uncover some of the science lurking underneath the waves. Our engaging and excited presenters will inspire your students to become invested in the future of our Oceans through awesome demonstrations and mind-blowing facts!



TIERED PRICING

0 - 250 Students **\$500 (+GST)**

250 - 500 Students \$750 (+GST)

500 - 1,000 Students \$1,000 (+GST)



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THE PACE AND LEVEL OF THE CONTENT OF THE STAGE SHOW WAS AGE APPROPRIATE AND SUPER ENGAGING FOR OUR LEARNERS AND THE ORGANISATION OF YOUR VISIT WAS EXCELLENT WITH THOROUGH COMMUNICATION.

LEARNING COACH NUNDAH STATE SCHOOL

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CURRICULUM LINKS

Each of our shows focuses intently on engaging your students with Science as a Human Endeavour as our team of qualified Street Science presenters understand how important it is for students to seek to improve their understanding and explanations of the natural world. Students will be inspired through learning about how others before them constructed explanations based on evidence, while celebrating national and international discoveries.

Each of our presenters will customise language and show content to best cater to the year-levels of your audience, while supporting alignment to the national curriculum. The following National Curriculum elements will be addressed with each group:

YEAR LEVEL

AUSTRALIAN CURRICULUM FOCUS

CHEMICAL SCIENCES - Objects are made of materials that have observable properties (ACSSU003)

Early Years

- EARTH AND SPACE SCIENCES Daily and seasonal changes in our environment affect everyday life (ACSSU004)
- NATURE AND DEVELOPMENT OF SCIENCE Science involves observing, asking questions about, and describing changes in, objects and events (ACSHE013)
- BIOLOGICAL SCIENCES Living things have a variety of external features (ACSSU017) + Living things live in different places where their needs are met (ACSSU211)
- **CHEMICAL SCIENCES** Everyday materials can be physically changed in a variety of ways (*ACSSU018*)

and can be sensed (ACSSU020)

(ACSHE021)

PHYSICAL SCIENCES - Light and sound are produced by a range of sources

Year 1



• USE AND INFLUENCE OF SCIENCE - People use science in their daily lives, including when caring for their environment and living things (ACSHE022)

NATURE AND DEVELOPMENT OF SCIENCE - Science involves observing, asking questions about, and describing changes in, objects and events



Year 2	 CHEMICAL SCIENCES - Different materials can be combined for a particular purpose (ACSSU031) NATURE AND DEVELOPMENT OF SCIENCE - Science involves observing, asking questions about, and describing changes in, objects and events (ACSHE034) USE AND INFLUENCE OF SCIENCE - People use science in their daily lives, including when caring for their environment and living things (ACSHE035)
Year 3	 PHYSICAL SCIENCES - Heat can be produced in many ways and can move from one object to another (<i>ACSSU049</i>) NATURE AND DEVELOPMENT OF SCIENCE - Science involves making predictions and describing patterns and relationships (ACSHE050) USE AND INFLUENCE OF SCIENCE - Science knowledge helps people to understand the effect of their actions (<i>ACSHE051</i>)
Year 4	 BIOLOGICAL SCIENCES - Living things depend on each other and the environment to survive (ACSSU073) CHEMICAL SCIENCES - Natural and processed materials have a range of physical properties that can influence their use (ACSSU074) EARTH AND SPACE SERVICES - Earth's surface changes over time as a result of natural processes and human activity (ACSSU075) NATURE AND DEVELOPMENT OF SCIENCE - Science involves making predictions and describing patterns and relationships (ACSHE061) USE AND INFLUENCE OF SCIENCE - Science knowledge helps people to understand the effect of their actions (ACSHE062)
Year 5	 BIOLOGICAL SCIENCES - Living things have structural features and adaptations that help them to survive in their environment (ACSSU043) CHEMICAL SCIENCES - Solids, liquids and gases have different observable properties and behave in different ways (ACSSU077) PHYSICAL SCIENCES - Light from a source forms shadows and can be absorbed, reflected and refracted (ACSSU080) NATURE AND DEVELOPMENT OF SCIENCE - Science involves testing predictions by gathering data and using evidence to develop explanations of events and phenomena and reflects historical and cultural contributions (ACSHE081) USE AND INFLUENCE OF SCIENCE - Scientific knowledge is used to solve problems and inform personal and community decisions (ACSHE083)





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	• BIOLOGICAL SCIENCES - The growth and survival of living things are affected by physical conditions of their environment (ACSSU094)
	CHEMICAL SCIENCES - Changes to materials can be reversible or irreversible (ACSSU095)
Year 6	• NATURE AND DEVELOPMENT OF SCIENCE - Science involves testing predictions by gathering data and using evidence to develop explanations of events and phenomena and reflects historical and cultural contributions (ACSHE098)
	• USE AND INFLUENCE OF SCIENCE - Scientific knowledge is used to solve problems and inform personal and community decisions (ACSHE100)
	• BIOLOGICAL SCIENCES - Interactions between organisms, including the effects of human activities can be represented by food chains and food webs (ACSSU111)
Year 7	• NATURE AND DEVELOPMENT OF SCIENCE - Scientific knowledge has changed peoples' understanding of the world and is refined as new evidence becomes available (<i>ACSHE098</i>) + Science knowledge can develop through collaboration across the disciplines of science and the contributions of people from a range of cultures (<i>ACSHE223</i>)
	• USE AND INFLUENCE OF SCIENCE - Solutions to contemporary issues that are found using science and technology, may impact on other areas of society and may involve ethical considerations (<i>ACSHE120</i>) + People use science understanding and skills in their occupations and these have influenced the development of practices in areas of human activity (ACSHE121)
	• BIOLOGICAL SCIENCES - Multi-cellular organisms contain systems of organs carrying out specialised functions that enable them to survive and reproduce (ACSSU111)
	 CHEMICAL SCIENCES - Differences between elements, compounds and mixtures can be described at a particle level (ACSSU152) + Chemical change involves substances reacting to form new substances (ACSSU225)
N O	 PHYSICAL SCIENCES - Energy appears in different forms, including movement (kinetic energy), heat and potential energy, and energy transformations and transfers cause change within systems (ACSSU155)
Year 8	• NATURE AND DEVELOPMENT OF SCIENCE - Scientific knowledge has changed peoples' understanding of the world and is refined as new evidence becomes available (<i>ACSHE134</i>) + Science knowledge can develop through collaboration across the disciplines of science and the contributions of people from a range of cultures (<i>ACSHE226</i>)
Street Science 8	• USE AND INFLUENCE OF SCIENCE - Solutions to contemporary issues that are found using science and technology, may impact on other areas of society and may involve ethical considerations (<i>ACSHE135</i>) + People use science understanding and skills in their occupations and these have influenced the development of practices in areas of human activity (<i>ACSHE136</i>)



Year 9	 BIOLOGICAL SCIENCES - Multi-cellular organisms rely on coordinated and interdependent internal systems to respond to changes to their environment (<i>ACSSU175</i>) + Ecosystems consist of communities of interdependent organisms and abiotic components of the environment; matter and energy flow through these systems (<i>ACSSU176</i>) CHEMICAL SCIENCES - Chemical reactions involve rearranging atoms to form new substances; during a chemical reaction mass is not created or destroyed (<i>ACSSU178</i>) + Chemical reactions, including combustion and the reactions of acids, are important in both non-living and living systems and involve energy transfer (<i>ACSSU179</i>) NATURE AND DEVELOPMENT OF SCIENCE - Scientific understanding, including models and theories, is contestable and is refined over time through a process of review by the scientific community (<i>ACSHE157</i>) + Advances in scientific understanding often rely on technological advances and are often linked to scientific discoveries (<i>ACSHE158</i>) USE OF INFLUENCE OF SCIENCE - People use scientific knowledge to evaluate whether they accept claims, explanations or predictions, and advances in science can affect people's lives, including generating new career opportunities (<i>ACSHE160</i>) + Values and needs of contemporary society can influence the focus of scientific research (<i>ACSHE228</i>)
Year 10	 BIOLOGICAL SCIENCES - The theory of evolution by natural selection explains the diversity of living things and is supported by a range of scientific evidence (ACSSU185) CHEMICAL SCIENCES - Different types of chemical reactions are used to produce a range of products and can occur at different rates (ACSSU187) NATURE AND DEVELOPMENT OF SCIENCE - Scientific understanding, including models and theories, is contestable and is refined over time through a process of review by the scientific community (ACSHE191) + Advances in scientific understanding often rely on technological advances and are often linked to scientific discoveries (ACSHE192) USE AND INFLUENCE OF SCIENCE - People use scientific knowledge to evaluate whether they accept claims, explanations or predictions, and advances in science can affect people's lives, including generating new career opportunities (ACSHE194) + Values and needs of contemporary society can influence the focus of scientific research (ACSHE230)





1300 150 481

info@streetscience.com.au www.streetscience.com.au