

STREET SCIENCE PRESENTS

INTO THE UNKNOWN

PATTERNS, CHAOS, AND THE LANGUAGE OF THE UNIVERSE

LEARNING OUTCOMES – INTO THE UNKNOWN

Street Science National Science Week Show 2025

Show Title: Into the Unknown – Patterns, Chaos, and the Hidden Language of the Universe

Target Audience: Prep to Year 10

Curriculum Version: Australian Curriculum v9.0 and v8.4

Theme: Decoding the Universe – Exploring the Unknown with Nature's Hidden Language

Overview:

This immersive, high-energy stage show explores the invisible forces and hidden patterns that shape our universe—gravity, magnetism, light, sound, and quantum fields—through live demonstrations and explosive experiments. Students journey through Earth, Space, and Quantum Realms, learning how science explains and organises the chaos around us.

Learning Outcomes:

Students who attend this experience will:

- > Recognise invisible forces such as gravity, magnetism, and motion, and understand their impact on the physical world
(Years 1–4: AC9S1U03, AC9S4U03)
- > Explore sound, light, and energy transfer through real-life demonstrations
(Years 2 & 6: AC9S2U02, AC9S6U02)
- > Investigate how patterns, sequences, and quantum concepts underpin natural systems
(Years 3–5: AC9S3H01, AC9S5U04)
- > Understand how scientific knowledge evolves through collaboration and evidence
(Years 5–10: AC9S5H01, AC9S10H01)
- > Examine real-world applications of science in problem solving and decision-making
(Years 3–10: AC9S3H02, AC9S10H03)
- > Discover how science is used in everyday life and future careers
(P–10: AC9SFH01, AC9S7H04, AC9S8H04)

Educational Approach:

- > *Science as a Human Endeavour:* The show connects classroom content with real-world science, innovation, and discovery.
- > *Differentiated Delivery:* Our presenters tailor language and depth to suit audience year levels.
- > *Hands-On Learning:* Live demonstrations help students grasp abstract and complex science concepts in a fun, memorable way.

Support Materials:

- > Hype video, teacher resources, and DIY science activities provided pre-show to extend learning.

For full curriculum alignment for V9.0 and V8.4 by year level, please refer to our Curriculum Links PDF.

For more information, visit: www.streetscience.com.au/nationalscienceweek-2025

info@streetscience.com.au | 1300 150 481

