

# Arts Centre Education Programmes

Curriculum Subject	Programme	Year Level	Duration	Contexts
<b>Theme: Uncovering the Hidden</b>				
Science	Sensational Science	Years 5 - 10	60 mins	Chemical and physical reactions – dazzling experiments that inspire. Introduction to atomic structure/ Rutherford's science. Nature of science and science capabilities. Invisible forces.
Science	Radioactivity	Years 12 & 13	90mins	Relates directly to achievement standard AS91172, compares and contrasts different models Progression of structure of atom, radioactive decay, half-life, Rutherford's gold foil experiment., including Physical world, nature of science. NCEA level 2
Social Science & The Arts	Architecture	Years 1 - 8	90 mins	Explore the Neo-gothic style of the Arts Centre and architectural design across the world. Talk to the expert stonemasons and see what they create.
Science & Social Science	Invisible Forces	Years 1 - 6	90 mins	A) Forces: push & pull, gravity, magnetism, energy, nature of science (2 or 3 topics of focus). B) Rutherford's background – achievements and his early life. Nature of science and science capabilities.
Science & Social Science	Arty Atoms	Years 7 & 8	90 mins	Introduction to atomic structure and atomic forces. Electricity, magnetism and gravity, nature of science and science capabilities.
Science & Social Science	Atoms Matter	Years 9 & 10	90mins	Interactive group activities on atomic structure, nature of science, science capabilities, atoms, molecules and compounds and the periodic table. Material and physical world, nature of science.
Technology	Inventions and Innovations	Years 1 - 8	90 mins	Inventions, changes in writing and communication technology. Rutherford's Science and his inventions. Enterprise
Visual Art	Stained-Glass Window Art	Years 1 - 8 & ECE*	90 mins	Learn about the stained-glass windows of The Arts Centre; The symmetry and stories behind them. Learn how to create a balanced composition and create your own artwork with oil pastels. A collaboration with local artist Rebecca Jellie.
<b>Theme: Tūrangawaewae</b>				
Histories, Art	Whāriki	Years 5 - 8	90 mins	Learn about the significance, history and inspiration of the Whāriki (woven mats of welcome) onsite at The Arts Centre. Weave your own takapapa (placemat) with an expert Raranga weaver.
Social Science	Ernest and other famous New Zealanders	Years 4 - 8	90 mins	Famous New Zealanders, Kiwi identity, overcoming challenges, perseverance.
Social Science	A Day in the Life of Rutherford	Years 4 - 8	90 mins	Experience what it was like to be a student during Rutherford's time – use ink-nib pens, have lessons in the Lecture theatre and explore the 'real' Den. Learn about Rutherford's science and his legacy.
Social Science	Early Canterbury	Years 1 - 8	90 mins	Early Canterbury, famous New Zealanders, Kiwi identity.

\* This programme is available and adapted to Early Childhood Education centres.

We cater for groups of up to 30 and please allow 1.5 hours for your visit.  
Our programmes support all of the key competencies:

- Thinking
- Using language, symbols and texts,
- Managing self
- Relating to others
- Participating and contributing

Approved and funded by:



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