# Science Presentation

Sciences that are offered in 2012

Biology

Chemistry

Physics

Senior Science

Earth and Environmental Science

- Each of these courses are completely different from each other and cater for the needs of different types of students who are willing to :

- Think outside the square that you live in
- Have a keen interest in the development of technology
- Have a keen interest and care for the world in which they are living
- Are not afraid of getting their hands dirty or their feet wet
- Are not afraid to find that all questions don't necessarily have straight forward answers if any at all

The

- Chemistry
- Physics
- Biology
- Senior Science
- EES
- Stage 6 course are designed for those students who have at least a:

# C grade or higher

for Biology, EES and Senior Science(*)

and

# B grade or higher

for Physics and Chemistry

- It is important to note that the sciences that you do in Preliminary and HSC are not the same as those you have done in Junior years.
- Each of these subjects specialises in particular branches of science and each of them is different in the way they are taught and the way that they are learnt.

# BIOLOGY

PRELIMINARY

- A Local Ecosystem
- Patterns in Nature
- Life on Earth
- Evolution of Australian Biota

# BIOLOGY

## HSC

- Maintaining a Balance
- Blueprint of Life
- The Search for Better Health

- ONE option

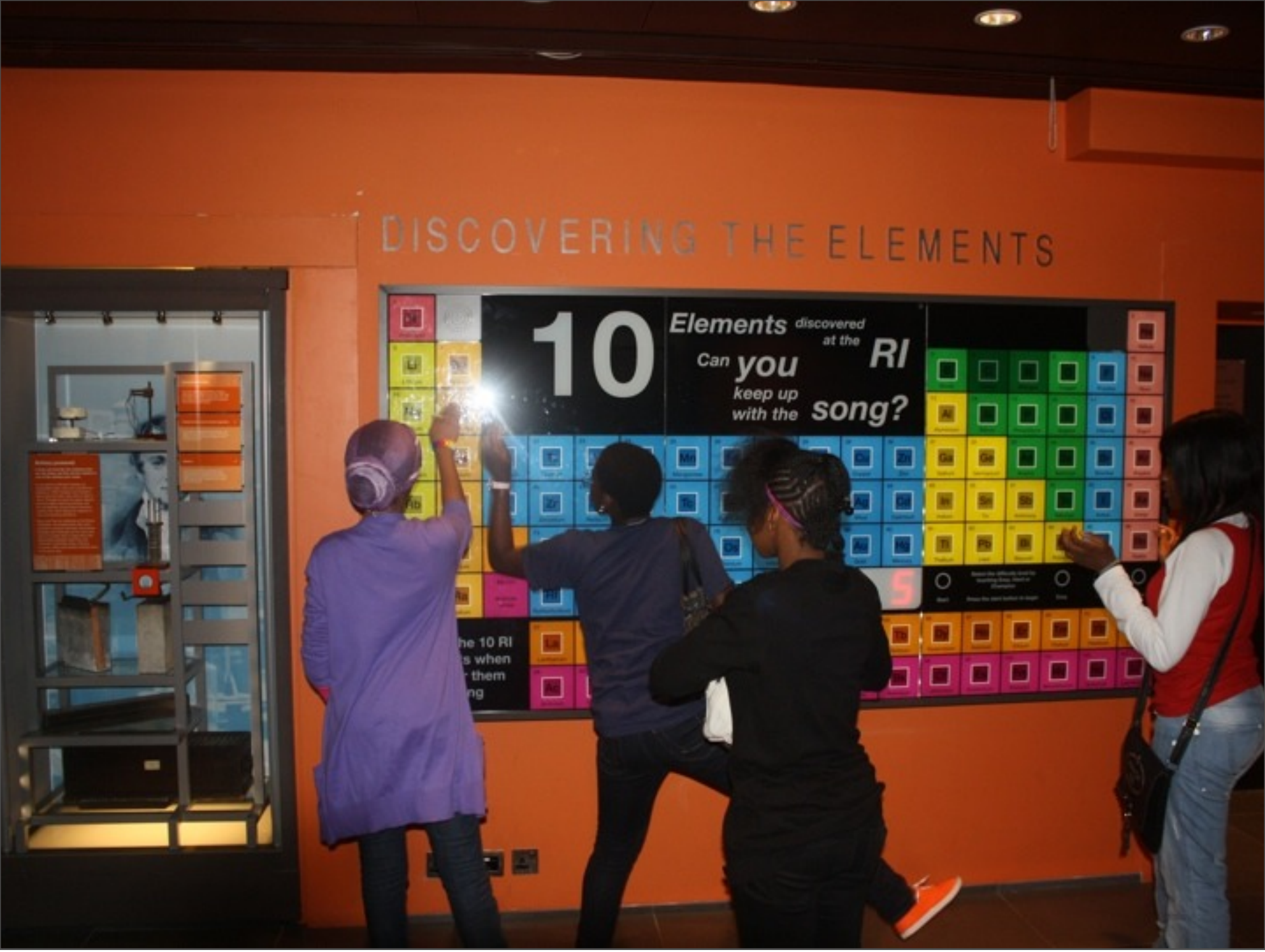
# CHEMISTRY

## PRELIMINARY

- The Chemical Earth (30 indicative hours)
- Metals (30 indicative hours)
- Water (30 indicative hours)
- Energy (30 indicative hours)

## HSC

- The Identification and Production Of Materials (30 indicative hours)
- The Acidic Environment (30 indicative hours)
- Chemical Monitoring and Management (30 indicative hours)
- ONE option,

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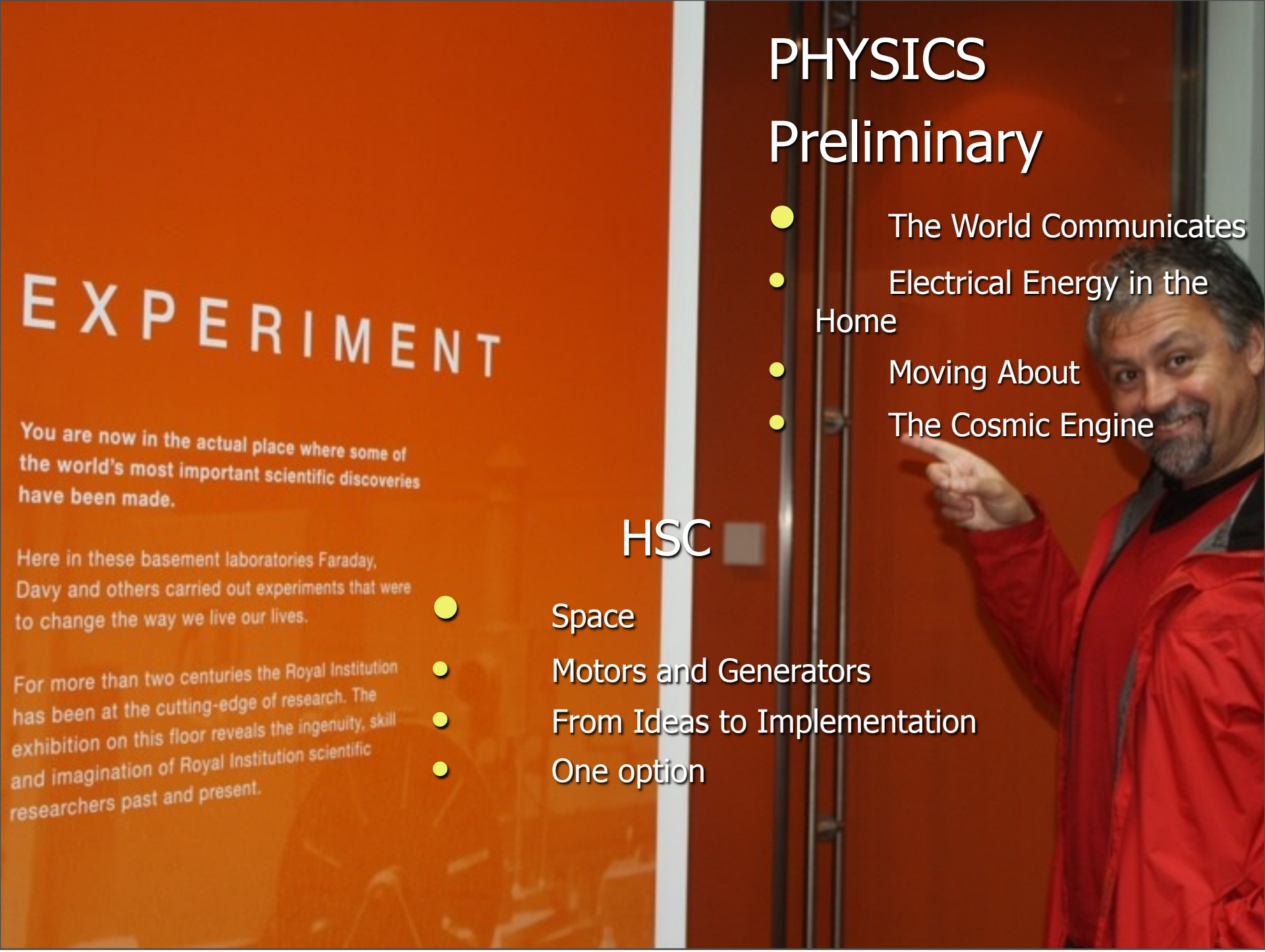


# PHYSICS

## Preliminary

- The World Communicates
- Electrical Energy in the Home
- Moving About
- The Cosmic Engine

## HSC

- Space
- Motors and Generators
- From Ideas to Implementation
- One option


2
Magnetic attraction
2
4

# Senior Science

## PRELIMINARY

- Water for Living
- Plants
- Humans at Work
- The Local Environment

## HSC

- Lifestyle Chemistry
- Medical Technology — Bionics
- Information Systems
- One option

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# Earth and Environmental Science

## PRELIMINARY

- Planet Earth and Its Environment – A Five Thousand Million Year Journey
- The Local Environment
- Water Issues
- Dynamic Earth

## HSC

- Tectonic Impacts
- Environments Through Time
- Caring for the Country
- ONE option


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