

Year 8 Science

Term 2 2013 - Science Careers Research Task

Context: In the field of Science there are a variety of career options. Within these occupations, specific Science knowledge is required to equip scientists to carry out their duties.

Task: Produce a **research report** on a **Science career**, include a **description** of the career, what **Science knowledge** is required and what **problems** scientists have **solved** in this area. You will also need to choose a scientist in this field that you feel is particularly inspirational (Why do you think so?) and describe how they have worked with other scientists to **solve an important problem**.

Habits of Mind: Remaining open to continuous learning
Thinking and communicating with clarity and precision



Research:

University of Queensland – Science Programs

<http://www.uq.edu.au/study/search.html?keywords=science&searchType=all&archived=true#undergraduate>



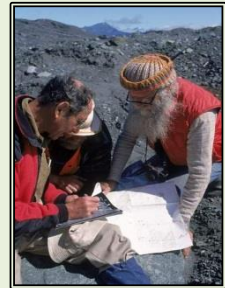
<http://weirdsciencekids.com/WhatDoScientistsDo.html>

<http://www.sciencekids.co.nz/sciencefacts/careers.html>

Top 10 careers with Science:

http://www.ehow.com/list_6721693_top-10-jobs-science.html

- Conservationists
- Textile chemists
- Food scientists
- Geologists
- Meteorologists
- Radiographers
- Technical writers (provide documentation for a specific piece of scientific equipment)
- Psychologists
- Forensic toxicologists
- Communication technologists



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Chemistry That's Cooler Than Nature

Luntz, Stephen
Australasian Science
01-01-2010

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Nature's complex molecules provide a starting point for Andrea Robinson to produce chemicals that survive in the human body.

A/Prof Andrea Robinson is borrowing from the extraordinary chemical diversity of the natural world to find the next generation of pain relievers, and maybe a better life for [insulin-dependent diabetics](#).

The complex venom in cone shells can be surprisingly painless, with victims sometimes not even realising they have been stung before they die. "They use their venom to immobilise prey, and they work very quickly by targeting the ion channels and shutting down pulses," Robinson says.

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A Luntz, Stephen. "Chemistry That's Cooler Than Nature." *Australasian Science*. 01 Jan. 2010: 39. *eLibrary*. Web. 26 May. 2013.

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P Luntz, Stephen (2010) "Chemistry That's Cooler Than Nature." *Australasian Science*, (1), 39, Retrieved from
A http://elibrary.bigc

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Bibliography

Images. *Encyclopædia Britannica Image Quest*. Retrieved 26 May 2013, from http://quest.eb.com/images/132_1305563