SERVICES AND COSTS

1 – Sessions for Children

Hands On Science will provide a personal teaching service just for your grade. Teachers are required to help with supervision of sessions and encouraged to participate for their own professional development.

Session Times and Costs

Session times are flexible to suit your school timetable.

- Minimum booking per day is two hours. (1*)
- Standard session times are 1.5 hours.
- Special science days.
- Special needs schools.

Student numbers can be averaged over total number of sessions per booking.

No. of 1.5 hour Sessions	Flat Rate Less than or equal to 25 per session	inc. GST	Per Head Rate 26 to 30 per session	inc. GST
3 +	$ 220.00	$ 222.20	$ 8.80	$ 9.68
2	$ 225.00	$ 247.50	$ 9.00	$ 9.90
1*	$ 305.00	$ 335.50	$ 12.20	$ 13.42

Outer regions may incur travel costs.
Multiple topics per day may incur a surcharge.

2 – Family Science Nights

Hands On Science will organise a fun, scientific and educational experience for your school. The parents will gain an insight into primary school science. Choose from:

- **'Hands On' Multiple Room Experience**

A variety of activities are planned for each room. On the night, Hands On Science will provide two staff to set up equipment for all rooms, brief teachers, and oversee activities whilst sessions are in progress. Phone to discuss how many rooms you will require.
COST: $1,100.00 per night (GST inc)
(1 hour session, five rooms/topics, for up to 130 people)

- **Audience Experience**

A large group presentation full of interactive chemical based demonstrations. Using a sensory approach, emphasis is on language, safety and enjoyment.
COST $550.00 per night (GST inc)
(1 hour session, for up to 200 people)

3 – Holiday and OHSC Programs

Programs are developed to meet the special requirements of your group. Sessions are designed for up to 30 children with supervision and assistance from your staff. Please phone to discuss topics. Ask for our brochure or check our website.

Time hours	Cost to Parent per program	Cost to Org/School per session inc. GST	Cost Per Head Less than or equal to 30	inc. GST
1.0	$ 240.00	$ 264.00	$ 8.00	$ 8.80
1.5	$ 330.00	$ 363.00	$11.00	$12.10

ENQUIRIES AND BOOKINGS

For bookings, information and administration:
Telephone: 9729 9679
Facsimile: 9859 2348
Email: enquiries@handsonscience.com.au

For administration and accounts:
Facsimile: 9855 1193
Email: admin@handsonscience.com.au
Telephone: 9855 1191 (A.H.)

Hands On Science!

PO Box 619, Balwyn North, Vic. 3104
www.handsonscience.com.au

Your 2012 guide to Hands On Science incursions for primary schools

BROUGHT TO YOU BY Hands On Science!

Incursions & other services by **Hands On Science** for **primary schools**

- Hands On Science *science teaching specialists* offer challenging and enjoyable experiments for your students.
- A professional development opportunity.
- The Victorian Essential Learning Standards are implemented by our developmental *'hands-on' approach*.
- Incorporates the five E's and links to Primary Connections.
- Our science sessions often work concurrently with *technological awareness* to teach understanding of the physical, natural and material world.
- Individual grade sessions.
- 2012 Science theme is 'Energy Evolution'.
- Special Theme: Sport Science (**Olympics 2012**).

CHEMICAL SCIENCE

Reactive Chemistry (Grades P–6)
Distinguish between physical and chemical change. Investigate the behaviour of chemicals when mixed. Explore ways of producing a chemical change.

Solids, Liquids & Gases (Grades 3–6)
Investigate and compare the properties of each state of matter, how changes occur, suitability and application for use.

Suds & Bubbles (Grades P–4)
Investigate different ways to make bubbles and the forces in play. Study how they interact with light and work out how to predict the exact moment they will pop.

Forensic Science (Grades 3–6)
A crime will be set. Students will apply chemical testing skills, interpret data and develop an understanding of how scientific evidence is used to solve a crime.

Experimenting With Water (Grades P–2)
Understanding the water cycle and the journey of water. Experiment on properties whilst focusing on scientific language, observations and techniques.

SUSTAINABILITY

To understand sustainability is to understand Earth and Nature. We need to look at all the variables that impact on the balance and climate. Let us help you educate the children for a sustainable future.

Biodiversity (Grades 3–6)
Explore how man and the environment affect the balance of nature. Learn about the positives and negatives of the greenhouse effect and waste.

Man & Environment (Grades 3–6)
Develop an understanding of how inventions and discoveries have affected the environment.
Explore: materials, machines, recycling, waste, energy, technology, pollution, housing and food sources.

Theme • Raw & Processed Materials

PHYSICAL SCIENCE

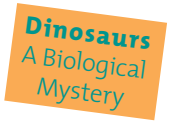
Choose an individual topic or link with a popular theme.

Topics • Metals & Magnets • Electricity • Magnets & Electricity • Electricity & Sound • Music & Sound • Light • Light & Sound • Air & Flight • Energy • Force & Movement

Themes • Weather • Transport • How Things Work • Puppets • Dinosaurs • Sport Science (**Olympics 2012**)

Earth in Space (Grades 3–6)
Investigate the forces involved around Earth. Create an awareness of centrifugal forces, heat, light, atmosphere, movement and position. Use models and simple experiments and link to astronomy studies.

BIOLOGICAL SCIENCE



Senses (Grades P–2)
Children will be engaged in a variety of experiments to understand the purpose of their senses and how they work. What happens if they don't work? Explore how the senses can be tricked or confused.

Minibeasts (Grades P–4)
Through simple experiments, children will learn about the role of creatures in our environment and their behaviour. Study and classify our specimens. Make a mini worm farm and snail house. (Surcharge applies)

Circulatory System (Grades 3–6)
Use models to study the heart components: How is the blood circulated? What are its chemical properties?

Digestive System (Grades 3–6)
Simple experiments to show: How does food move and get digested? Why do we need carbohydrates, fats and protein? What are the roles of our major organs?

Clever Plants (Grades P–6)
Explore the chemistry of plants: chlorophyll, plant poo, gas, transportation, survival and more. Classify our collection of water and land specimens. Experiment with our carnivorous plants. Make a variety of hot houses for ongoing investigations. (Surcharge applies)

PHYSICAL & CHEMICAL

Simple Machines (Grades 3–6)
What is a machine? Combine human and technological elements to evaluate the most suitable system for a task. Investigate how levers, wedges, rollers, pulleys and gears are utilised to conserve energy, change direction of force and combine to make a more complex machine.

Natural Disasters (Grades 3–6)
Investigate the release of huge amounts of energy and its 'domino effect'. Through models and experiments, study the cause & effect, and the inner & outer forces.

Theme • The Big Freeze

SCIENCE & TECHNOLOGY

Involves the scientific application of knowledge, skills, equipment, materials, energy and data to create useful products. Each unit incorporates the five phases of technological process: investigating, designing, creating, producing and evaluating

Science & Technology Of Toys (Grades P–3)
Students study and classify a number of toys concentrating on the concepts of energy, forces and materials used. Involves the scientific application of knowledge, skills, equipment, materials, energy and data to create useful products.

Theme • Puppets • Inventions

Christmas Sci-Tech (Grades P–6)
End the year with a fun Christmas experience. Experiments incorporate technology, chemistry and physics. Children make several models for further experimentation.