



**STEC
HOLIDAY
WORKSHOP
PROGRAM
28.06-02.07
FOR KIDS**

28 June, 9.00-11.00, Grade 3-7

VOLCANOES

Volcanic eruptions are among the Earth's most powerful and destructive forces. Make your own erupting volcano and learn more about why volcanoes erupt.

29 June, 9.00-10.00, Grade 3+

BOTTLE JET DRAG RACER

Fit a two-litre plastic bottle with wheels and a tyre valve, and after you make a pin-hole nozzle, hand pump the bottle as hard as you can, open the nozzle, and watch the bottle jet off across the floor faster than you can run! Or race against other bottle-jets.

30 June, 9.00-11.00, Grade 10+

FROM LIGHT TO ELECTRONS

Visit the Electron Microscope Unit and explore the exciting world of microscopes that provides you with a fascinating insight into very small objects. See all the details of a cell that you only know from your textbook drawings or watch various life forms from pond water that you can't see with your naked eye.

1 July, 9.00-10.00, Grade 3+

HERO STEAM TURBINE

Make your own model of the world's most ancient engine invented by Hero of Alexandria in 100 AD. Squirt water into the boiler, meths into the burner, and in a few minutes the little rotor is whirling around under the power of steam.

2 July, 9.00-11.00, Grade 8+

SECRET MESSAGES

Ever wanted to become a spy? One of the main tasks of spies is to exchange messages, while at the same time keeping the contents a secret from anyone who may intercept it. Make you own encryption machine and learn about various techniques to send secret messages.

To book a workshop contact the Science and Technology Education Centre (031-260 7710/2524 or stec@ukzn.ac.za)

Costs: 10 R, 50% discount for UKZN relatives.

For directions to the Science Centre visit our website
www.stec.ukzn.ac.za