Great new subjects, an experiment for you to try and more!   [View this email in your browser](#)

Hands On Science!

Welcome back to Term 2

This term we're showcasing science with family science nights, school visits and professional development

Term 2 is always super busy here at Hands On Science, with many schools gearing up for a range of exciting science topics. Education Week is coming up (May 17–23) and we'll have all our teachers on the road bringing interactive science activities to schools across Melbourne. In line with this year's Education Week theme of 'cracking the code', our intriguing Forensic Science topic, suitable for level 5 and 6, is proving popular. Term 2 is also popular for Family Science nights– a fun way to get parents involved in their children's learning. And finally, a number of schools are taking the opportunity to combine our classroom sessions with some 'in-house' professional development for staff to enhance the delivery of science education in their school. Talk to us about how we can help you with the new science curriculum.

Do you want a deeper understanding of the science curriculum content and how to deliver it? Our Term 2 Professional Development day is on Wednesday April 22nd at Latrobe University, Bundoora.
Registrations close Tuesday 14 April– don't miss out!
For more information or to register call us on 9729 9679.

An Experiment for the Classroom – Magic Magnetism

You will need– a stand, a paperclip attached to string and blu tack, a bar magnet, different items for testing

1. Rest the magnet on the edge of a steel chair or a metal stand. You may need to hold it in place with tape.
2. Work out the length of string needed so the paperclip will hover in mid air

below the magnet. Create the biggest gap you can.

3. Select one item at a time (eg paper, aluminium foil, nail, cardboard, baking tray, deflated balloon – whatever you can find!) and place it between the magnet and the paperclip. What happens?

4. Discuss any differences you see – why did those differences happen? Did any material force the paper clip to fall?

Introducing Alex

Alex has always had a passion for science and loves to share her knowledge with children of all ages. With a background in Botany, Ecology and Genetics, Alex has worked as a research scientist on the drought resistance of crop plants. She is both primary and secondary trained and whilst working as a classroom teacher over the

Mixing and Materials (Level 2)

Students learn how different materials can be combined, including by mixing, for a particular purpose.

Aims:
– to explore the local environment to observe a variety of materials and describe ways in which materials are used
– to investigate the effects of mixing materials together

Solids and liquids (Level 3)

This is a new addition to our Solids, Liquids and Gases topic, to address curriculum changes.

Students will investigate and compare the properties and behaviours of each state of matter. They will explore reversible and irreversible change, and changes caused by adding and removing heat.

past 10 years, she has run Science Clubs to nurture the love and wonder of science in her students. As part of the Green Schools Network she has also run Environmental Programs to inspire students to think about the environment and sustainability. Working at Hands On Science allows Alex to continue to bring her love of science into the classroom.

– to suggest why different parts of everyday objects such as toys and clothes are made from different materials
– to identify materials such as paper that can be changed and remade/ recycled into new products

Aims:

All the aims of Solids, Liquids and Gases PLUS:
– to investigate changes caused by adding and removing heat
– to predict the effect of heat on different materials
– to understand how heat energy can be useful in recycling matter

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