

Great new subjects, an experiment for you to try and more!

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# Hands On Science!

## Welcome to Term 2!

We congratulate all the schools that jumped right into their science units in Term 1. It was great to be able to introduce units with an exciting hands on experience for your students. Some schools have been fortunate to have 2 presenters in the class as we train new staff ready for the busy terms ahead. We appreciate your understanding of this need as you train your own students to be life-long learners.

**Limited availability for Term 2**

**Science Week Aug 15-19th filling fast**

**Book now to secure your place  
for terms 3 & 4.**

Book [online](#) or call 03 9729 9679 .



## Staff Introductions

Hi, my name is Lora and I love working for Hands on Science. Some days Liz brings her animals to the office and we get to hold them .....if we want to!

When I'm not working, I love spending time with my two children who are 9 and 11 years old. I love going to the movies, cafes and going to Pilates class every week just to keep up my fitness.

## NEW LESSON:

### Engineering Designs

Following a STEM theme our new Engineering Designs lesson is aimed at years 5 & 6. It builds on the knowledge and skills presented to younger year levels in Building & Construction and Simple Machines. Students use math and science concepts to explore the elements of machine systems. They discuss design problems and solutions and get ideas for their own design projects.

### EASTER EXPERIMENT:

#### Rubber Eggs

1. Fill a jar with vinegar
2. Gently place a raw egg into the vinegar
3. Notice the bubbles forming on the egg
4. Leave for a week
5. Remove the egg from the vinegar and observe the changes
6. The egg can be dropped from a low height and it will bounce

#### What is happening?

There has been a chemical reaction between the egg shell and vinegar. The vinegar (acetic acid) reacts with the calcium carbonate ( $\text{CaCO}_3$ ) in the egg shells by breaking the chemical into its calcium and carbonate parts (in simplest terms). The calcium part floats around in the solution while the carbonate part reacts to form carbon dioxide bubbles.

Steve Spangler has some amazing egg experiments. Check out his website [here](#).



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