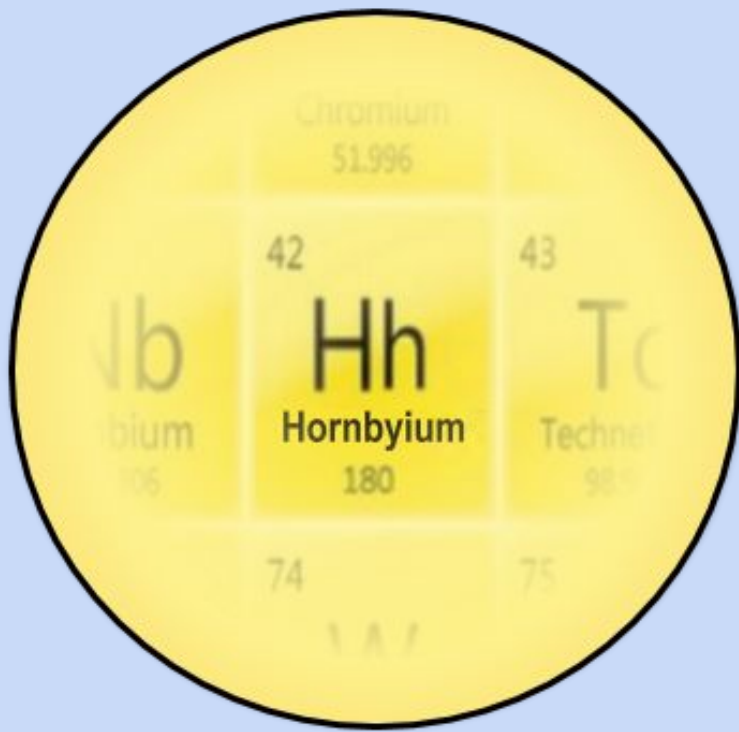


# SCIENCE NEWSLETTER

## April 2018



This is proving to be a busy, productive, and most of all FUN year for our science team! Our teachers have been busy planning for our move into the new buildings at the end of Term Two and developing new ways in which to incorporate more relevant, topical themes into our learning programs.

Science uptake in the senior school has never been higher, and because of this increase in numbers, we are pleased to welcome another fabulous teacher to our department whānau. Meet our new addition, Mr Heath, on the next page.

We hope that this newsletter enables you, our Hornby community, to see what we are up to and allow you to take a more active part in our students' science journeys. Any comments or suggestions are very welcome and can be emailed to [by@hornby.school.nz](mailto:by@hornby.school.nz).

### Creativity in Science!

As part of our whole school vision "Learn, Create, Share" we are excited to help develop our junior students into creative, critical thinkers in science. After all, our future scientists will have to solve global and local problems that we haven't even thought of yet!

Read more about Creativity in Science at [bit.ly/2GxJmlf](http://bit.ly/2GxJmlf) and [bit.ly/2IsLWd2](http://bit.ly/2IsLWd2).



*9Sp students investigate ways to clean dirty water*

### Parent Survey

The Science Department Is carrying out some research into how we can improve links with our wider community. It would be extremely useful if you could give us five minutes of your time to complete a short survey into science in your household and your comments about Science learning.

Data will only be used by ourselves and can be anonymous if you wish. Please visit the survey [here](#).

### Name This Newsletter!

We have been having a few "heated discussions" about whether this newsletter should have a fancy name, or something clever and science-y... Seeing as we can't make up our mind (and by this, we mean "come to a civilised agreement") we'd like to ask our Hornby whānau to decide for us.

Please help us by visiting this site: <https://www.surveymonkey.com/r/DKCZFNP> ) and voting on our short list of names, or by submitting your own. If you come up with something we like, I'm sure we can find a science prize for you!



## Meet Mr Heath

Kia ora whānau! My name is Mr. Heath and I am Hornby High's new science teacher. This is my first year teaching and I am super excited to be working here!



I studied chemistry, maths and French at university and graduated from Canterbury last year. I love to play football in my spare time and am really looking forward to getting involved with sport around the school.

I love teaching science because I have the chance to help explain how the world works... and blow stuff up occasionally!



Recently, some of our senior students attended a public lecture at UC where they heard from an inspirational woman, Dame Carol Robinson. Not only was she the first female professor at both

Oxford and Cambridge Universities, she also runs a cutting-edge research group that helps develop drugs to combat HIV. Not bad for someone who left school at sixteen! Dame Carol spoke of the changes in science over the last few decades and the challenges she has overcome.

## SCIENCE AT HOME

Why not try out some of these simple experiments at home and get involved in science as a family?

Encourage discussion using these questions:

- What did you observe?
- Why do you think that happened?
- How could we test your ideas?
- What do you think would happen if we changed...

Soap powered boat [sciencebob.com](http://sciencebob.com)

Tie-dyed milk [coolscience.org](http://coolscience.org)

Turn milk into plastic [sciencebuddies.org](http://sciencebuddies.org)

Cut an ice cube in half [sciencekids.co.nz](http://sciencekids.co.nz)

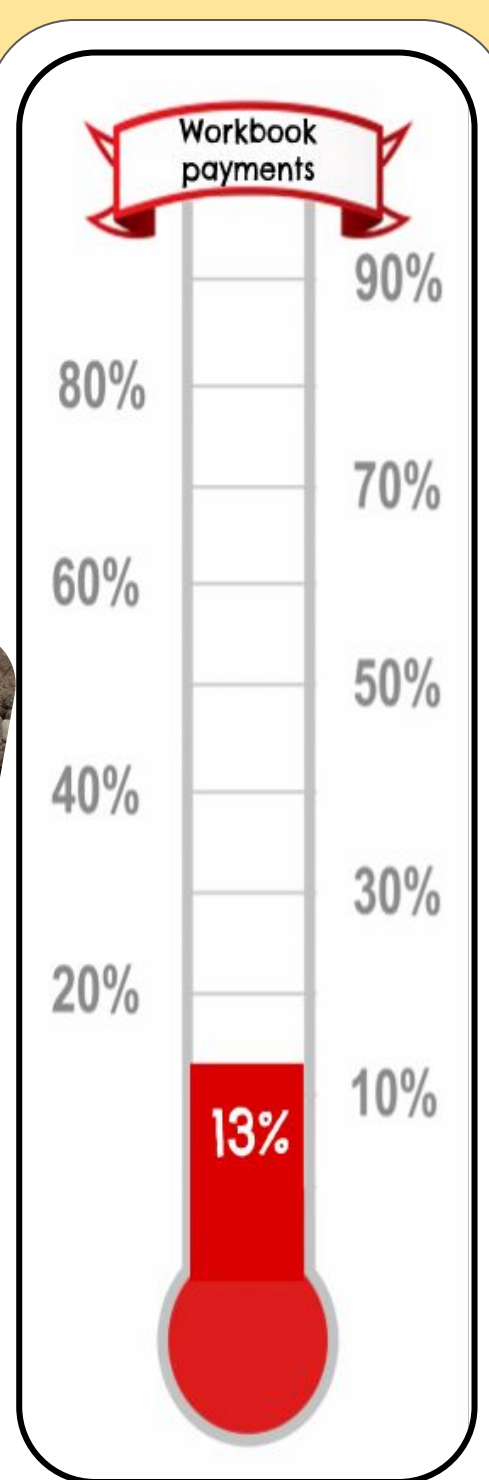
Explore these websites, there are loads of fun activities to try! Why not send us a photo of your experiment?



Our new NCEA Level 1 sports and health sciences class recently met with a mental health nurse and a surgical nurse as part of their human anatomy research.

## WORKBOOK COSTS

Yr 9 & 10	\$18
Yr 11 Science	\$18
Yr 11 Sport/Health Sci	\$8.50
Yr 12 & 13 Biology	\$25
Yr 12 & 13 Chemistry	\$25
Yr 12 & 13 Physics	\$28



Each year the science department spends a HUGE amount of their budget on purchasing workbooks to support student learning in their classes. All students from Years 9 to 13 have a substantial workbook which not only supports their scientific literacy and understanding of concepts, but acts as a revision guide and textbook.

We cannot ask for payment for these items, however the more donations the department receives from families to cover their cost, the more resources that can be purchased to further support your child's learning.