

STEM WORKSHOPS IN GERMAN

WEDNESDAY
24 OCTOBER 2018
9.45 AM – 12.15 PM



Dear Students,

How can farmers in Australia breed plants that are more drought resistant?

What is a pH indicator? How can we build an energy efficient home?

Step into the shoes of STEM professionals and find out.

**LEARN GERMAN
+ STUDY SCIENCE**

Working in small groups you will explore the real life applications of science, technology and engineering.

Breeding Heat and Drought Resistant Plants

Jessica Schmidt (University of Adelaide)

Many farmers in Australia lose wheat yield every year due to droughts and heat. Scientists now try to breed new plants that are more resistant to these weather extremes. But how exactly do they do that? And how important is their work to secure our food supply? Get ready to find it out!

Design a 10 Star Energy-Efficient Home

Geraldine Petit (SUHO)

An energy efficient house can save up to 90% of the energy a normal house would use. In this workshop you will design a home that needs as little energy as a hairdryer to keep you warm in winter.

The Colours & Chemistry of Acids and Bases

Dr. Ingo Koeper (Flinders University)

Scientists can tell if a substance is an acid or a base by means of an indicator. How do they do that and why is it important to know if a substance is acidic or alkaline? Find out by testing different household liquids yourself.

www.goethe.de/sciencegerman

PROGRAM

10.00 am

Welcome by David Wilksch,
Principal of Good Shepherd
Lutheran School

10.15 am – 11.00 am

Workshops, PART 1

11.00 am

Morning Tea

11.15 am – 12.00 pm

Workshops, PART 2

12.00 pm – 12.15 pm

Closing remarks