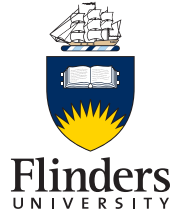


# Take up the challenge

Year 12 Science and Maths Academy at Flinders



[www.flinders.edu.au](http://www.flinders.edu.au)

## The Year 12 Science and Maths Academy at Flinders University is a partnership between Southern Region High Schools and Flinders University.

The Year 12 Science and Maths Academy (SMAF) is an exciting program which teaches Stage 2 Physics, Chemistry and Specialist Maths subjects to Year 12 high school students on the Flinders University campus at Bedford Park.

### How does the Year 12 Science and Maths Academy at Flinders University benefit you?

- You get to learn in a challenging environment with other like-minded science and maths students. You can challenge yourself and learn with the best.
- You can tap into the vast resources and expertise available at Flinders, particularly in regard to chemistry and physics, where Flinders is a well-recognised international leader.
- You get to use first-rate University laboratories, library and computer facilities.
- You can access career development support through our employer liaison and careers advisors.
- You can find out what careers are available in the science and maths disciplines and the pathway to get there.
- You get to come on campus and have a first-hand look at how universities work.

### Stage 2 SACE subjects taught:

- Physics
- Chemistry
- Specialist Maths

### What's on offer

You will have access to lab coats and safety glasses while you are on campus. Many of your lessons will take place in either the University's undergraduate chemistry and physics laboratories or the Science Innovation Learning Centre (SILC). You will also be given a Flinders Authentication Number (FAN) and student ID card to access Flinders internet and library facilities.

### Students can access;

- Café and social spaces
- University's extensive library and computing facilities
- Car parking ( vouchers will be provided)
- All course material will be accessible 24/7 on the Flinders Online Learning Moodle
- A blog to keep you and the school community informed of latest updates  
[www.flinders.edu.au/science\\_engineering/science21/year-12-smaf.cfm](http://www.flinders.edu.au/science_engineering/science21/year-12-smaf.cfm)

## A Principal's Testimony Liz Mead - Aberfoyle Park High School

*I have had the opportunity to be involved in the development of a similar initiative in the Northern Region of Adelaide and the partnership between a university and a cluster of schools provided the school staff and students with a chance to be innovative, creative and meet the needs of young people in a way that had never been available to us before.*

*The program gave students a deep understanding of the relationship between the school subjects of Mathematics and Science and university pathways and lifelong careers. It provided a safe and authentic learning environment that ensured success beyond the school gate.*

*Interactions with like-minded students from a variety of schools, with university lecturers and third year university students provided students with new and engaging opportunities to understand not only the subject matter but the university environment and future pathways.*

*The Northern Region Schools/ university partnership not only met our expectations but surpassed our ideals. One especially impressive outcome was that year 12 students who had undertaken their study through this program were able to cope with their university studies the following year with confidence and dropout rates were significantly decreased (often zero) regardless of which uni the students attended. Students commented that the preparation in Year 12 enabled them to confidently adapt to university life and to understand the demands.*



### How does Year 12 SMAF work?

An Orientation Day will be held for Year 11 students in the latter part of Term 4, then in Year 12 you'll come to Flinders to study your Science and/or Maths subjects on campus each week for the whole school year – Wednesdays for Physics and Chemistry and Friday for Specialist Maths.

DAY	SUBJECT
Wednesday 9am to 12 noon	Stage 2 Physics
Wednesday 1pm to 4pm	Stage 2 Chemistry
Friday 9am to 12 noon	Stage 2 Specialist Maths

You will be taught by senior secondary teachers, and supported by university lecturers through lectures and hands-on projects. You will have the opportunity to access industry experts from a range of sectors.

As part of the Year 12 SMAF, parents will have an opportunity to visit the campus to see where students will be learning, talk with Flinders University staff and students and discover the different pathways available for students to study at Flinders.

## How do I get involved?

Application forms and program details are available from each participating school:



Aberfoyle Park High School  
P: 8270 4455  
E: info@aphs.sa.edu.au



Mount Compass Area School  
P: 8556 8219  
E: info@compassas.sa.edu.au



Christies Beach High School  
P: 8329 9777  
E: info@cbhs.sa.edu.au



Wirreanda High School  
P: 8382 9555  
E: info@wirreandahs.sa.edu.au



Eastern Fleurieu School  
P: 8536 2344  
E: info@easternfleurieu.sa.edu.au



Yankalilla Area School  
P: 8558 0888  
E: yas@yankas.sa.edu.au



Hallett Cove School R-12  
P: (08) 8392 1020  
E: info@hcs.sa.edu.au



Government of South Australia  
Department for Education and  
Child Development



**Flinders**  
UNIVERSITY

inspiring achievement

The Year 12 SMAF officially starts with Orientation in Term 4.  
Classes commence in the second week of Term 1.

Flinders University  
GPO Box 2100  
Adelaide SA 5001  
P: (08) 82017915

E: Kristin.Smith@flinders.edu.au

[flinders.edu.au/science\\_engineering/science21](http://flinders.edu.au/science_engineering/science21)