Take up the challenge
Year 12 Science and Maths Academy at Flinders

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 new 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 come on campus and have a first-hand look at how universities work.
- 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 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 access career development support through our employer liaison and careers advisors.
- You will learn about the wide range science and maths further education options available to you.
- You can find out what careers are available in the science and maths disciplines and the pathway to get there.

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. Your lessons and teaching will be in university laboratories and the Science Innovation Learning Centre. You will also have access to facilities such as:

- Café and social spaces
- Internet
- University library and computer facilities
- Car parking (vouchers will be provided)
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.

<table>
<thead>
<tr>
<th>DAY</th>
<th>SUBJECT</th>
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<tbody>
<tr>
<td>Wednesday 9am to 12 noon</td>
<td>Stage 2 Physics</td>
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<tr>
<td>Wednesday 1pm to 4pm</td>
<td>Stage 2 Chemistry</td>
</tr>
<tr>
<td>Friday 9am to 12 noon</td>
<td>Stage 2 Specialist Maths</td>
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You will be taught by senior secondary teachers, and supported by university lecturers and senior students, through lectures and hands-on projects. You will have the opportunity to access industry experts from a range of industries.

There will be opportunities for you to be mentored and tutored by third year Science and Engineering students who can challenge you to achieve your best.

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.

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 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

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

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

Hamilton Secondary School
P: 8275 8300
E: admin@hamcoll.sa.edu.au

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

Seaford 6-12 School
P: 8327 2222
E: info@seafordhs.sa.edu.au

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

The 2011 Year 12 SMAF officially starts with Orientation in Term 4, 2010. Classes commence in the second week of Term 1.