The Year 12 Science and Maths Academy at Flinders (SMAF) is an exciting program, teaching Stage 2 Physics, Chemistry and Specialist Maths subjects to Year 12 high school students from participating schools 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 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 University, 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.
- Regular access to guest expert speakers in the fields of chemistry, physics and specialist maths.
- 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 pathways 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. Some 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 University's internet and library facilities.

You can access:

- café and social spaces
- the University's extensive library and computing facilities
- car parking (vouchers will be provided)
- all course material 24/7 on the Flinders Online Learning Moodle
- a blog to keep you and the school community informed of latest updates flinders.edu.au/science_engineering/science21/year-12-smaf.cfm

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 Fridays for Specialist Maths.

Adam (SMAF student 2013)

Before SMAF I had no idea what to do career wise, other than something involving science and maths. However the guest speakers particularly in chemistry and specialist maths showed me how their knowledge is used in industries such as construction and environment. This made me want to be a civil engineer, and I have now enrolled for civil/structural with civil/environmental engineering.

SMAF has helped me understand university life, particularly how lectures are different to school lessons. I have also learned how to work as part of a team with students from other schools as well as independently.

Without SMAF I would have studied these subjects at school, however I feel I would not have done as well as I have at Flinders, due to less resources and fewer classmates.

The teachers do a great job, they have helped me out many times and I have learnt a lot.
DAY SUBJECT

Wednesday
• Stage 2 Physics Wednesday
  9am to 12 noon
• Stage 2 Chemistry
  1pm to 4pm Wednesday

Friday
• Stage 2 Specialist Maths
  9am to 12 noon

You will be taught by senior secondary teachers selected from participating schools.

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.

Jennie (SMAF student 2012. Currently 1st year student studying Bachelor of Science (Honours) at Flinders University)

I think SMAF has been integral to my successful integration into the uni style of things. By coming to uni for SMAF it made the first few weeks of uni easier and less stressful as I knew where everything was and didn’t have any problems finding the places I needed to go. The learning style of SMAF (lecture based) really helped me in the transition because I was already partially used to the way that lecturers teach you.

The way that SMAF was run on similar line to uni subjects and not school lines was intriguing in a way that made me certain I wanted to go to a university.

I really enjoyed my experience with SMAF and would recommend it to any year 12 student studying chemistry, physics and specialist maths as it a great way to experience a uni lifestyle with the safety net of being in Year 12. And it was fun!

Without SMAF I wouldn’t have been able to do the subjects that I did in year 12, because coming from a small rural school where there wasn’t enough students interested in senior science to be able to run them at the school.

SMAF enabled me to be able to do the subjects I wanted to do and those that I needed to do as they were either prerequisites for course or assumed knowledge.
The Year 12 SMaF officially starts with Orientation in Term 4. Lessons commence in week 1 of Term 1.

How do I get involved?
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

- Hallet Cove School R-12
  P: 8392 1020
  E: info@hcs.sa.edu.au

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

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

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

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