Advanced Technology - Student Scholarships

During 2011 and 2012 the Advanced Technology program will be offering scholarships for students to assist students in their Research Project.

Purpose is to encourage students to;
- Use the research project to investigate a topic / issue within science, mathematics and or technological.
- Collaborate with a university and or industry mentor
- Pursue career pathways in the defence industries

GENERAL INFORMATION & ELIGIBILITY CRITERIA
The applicant will need to be;
- Enrolled as a full time student at one of the Advanced Technology project schools in 2011.
- Completing the SACE Research project in 2012.

ASSESSMENT
Each application will be assessed by a panel of university, industry and DECS personnel.

VALUE
- Successful students will receive total funding to the value of $500 per student to be used for general expenses incurred including travel, meals and materials.
- The student’s school will administer scholarship payment to the student.
- The Advanced Technology Program Pathway Broker will endeavour to establish a suitable university and or industry mentor to support the student’s research development.

PARTNERS
Partners consist of the Tertiary Sector and a range of industries.

SUGGESTED THEMES OR TOPICS (Topics not restricted to the list below)

1. Nano Technology
2. Communications Network Systems and Technologies
3. Engineering; Electrical and Electronic, Mechanical, Civil and Transport
4. Science
5. Aerospace and Radar Navigation
6. Applied Science
7. Materials Technology
8. Communications Technology
9. Satellite Communication Systems
10. Modelling and Simulation
NOTES TO APPLICANTS:

1) A copy of the application rules are attached

2) Application form to be returned to the Project Manager, The Advanced Technology Project, Level 5, 31 Flinders Street SA 5000 not later than **2pm Friday 4 November 2011 – week 3 Term 4.**

3) We ask students to:
   - Clearly define their Research Project question/focus
   - Outline the research process in writing as indicated below and submit it by fax or email by the due date.

**Students please note:** It is important that you:
   1. Have your Research question/focus approved by your teacher first
   2. Obtain planning support from your Research Project teacher
   3. In preparing your scholarship application, undertake your own research and use information that is readily available from other sources such as libraries or web pages.

PERSONAL DETAILS

Name: ______________________________________

School: ___________________________ Year Level: ______

Teacher: ____________________________________

CONTACT DETAILS

School email address: ______________________________________

PERSONAL STATEMENT

Below, please provide a short statement outlining your personal abilities (Less than 200 words) that support your application for The Advanced Technology Research Project Scholarship Award 2011/12.
STUDY DETAILS
Please provide details of your last two years of studies including grades in science, mathematics and technology. (Less than 200 words, note this needs to be verified by your school)

IDENTIFY 2 MAJOR DEFENCE RELATED COMPANIES THAT ARE BASED IN SOUTH AUSTRALIA. IDENTIFY AND SUMMARISE ELEMENTS OF THEIR RESEARCH AND DEVELOPMENT FOCUS. (Maximum of 200 words)

WHAT IS THE IMPORTANCE OF THE DEFENCE RELATED INDUSTRIES TO THE SOUTH AUSTRALIAN ECONOMY? (Up to 200 words)
RESEARCH AREA OF INTEREST
Please indicate what areas of research you are interested in pursuing and why. (Less than 300 words)

RESEARCH QUESTION: PLEASE ADD YOUR RESEARCH QUESTION BELOW.
NOTE: (If you don’t as yet have a research question you will need to develop one and have this approved by your school and the scholarship selection panel prior to being able to access scholarship payments).

DECLARATION
I declare that the information I have supplied is to the best of my knowledge correct. I have read the rules relating to The Advanced Technology Research Project Scholarship Award and consider myself eligible for the award.

Signature ____________________________________ Date __________

ENDORSEMENT
The application must be endorsed by the Advanced Technology manager and or key teacher and the principal from your school.

Teacher’s name: ________________________

Teacher’s signature: _____________________ Date: ________________

Principal’s name: ________________________

Principal’s signature: ____________________ Date: ________________
RULES

ELIGIBILITY:
Applicants must be:
1. Enrolled full-time in 2011 at an Advanced Technology School
2. Studying science, mathematics and or technology in 2011 and intending to select a science, mathematics and or technology subject as part of their 2012 studies.
3. Able to demonstrate a passion for science, mathematics and or technology.

Award of the scholarship is subject to the following general conditions:
(1) The student makes a copy of his / her research project available to the Advanced Technology Project for publishing on the Advanced Technology Project online portal.
(2) Attending an awards ceremony during 2012.
(3) Being available for media opportunities during 2012.

SELECTION:
The scholarships will be awarded on the basis of the student's:
(1) The students most recent two years of study results
(2) Demonstrated research interests and knowledge
(3) Demonstrated knowledge and interest in defence research industries
(4) Commitment to follow projects through to a high level of achievement
(5) Ability to work independently and collaborate with others

APPLICATION CHECK LIST
Please check to make sure you have provided the following information:
- Personal details
- Personal abilities, study record and research areas of interest
- Declaration, make sure you have signed this application

APPLICATIONS
Available for downloading on the Advanced Technology Moodle:
http://dlb.sa.edu.au/atmoodle

Applications should be lodged as soon as possible, but no later than 2pm Friday November 2011 (week 3 Term 4) to:

DECS
The Advanced Technology Project
C/o Project Manager
Education Building
Level 5, 31 Flinders Street
SA 5000

Fax: 8226 3120