



Monday 23rd June to Friday 27th June 2014

Australian Science and Mathematics School, Adelaide

Innovation in STEM

Dear Parents

The ASMS will hold its annual International Science Fair (ISF) for the week June 23 – 27, week 9 of this term.

ISF is a feature event of the ASMS calendar. Over 30 students from 8 invited partner schools representing 8 different countries will join with the ASMS students for a program of special activities.

The theme for ISF 2014 is “Innovation in STEM”.

Special features of the ISF program for students include:

- Keynote presentations by leading science researchers in the field of STEM
- Shared seminar presentations on science research projects with international students
- A public poster display of science research work by ASMS and international students
- Participation in a major Challenge Based Learning Activity around the theme of “Innovation in STEM” during the week.

A summary of the program for the week, the Challenge Based Learning Activities and the visiting schools is provided on the back of this letter. More information is available on the ASMS website <http://www.asms.sa.edu.au/international/Pages/ASMSScienceFairs.aspx>

Parents and friends are welcome at the school to observe any part of the activities of ISF 2014, and may be most interested in the international student seminar presentations (Tuesday afternoon), the student poster display (Wednesday afternoon) and the final presentations of solutions to the Challenge Based Learning Activities (Thursday morning).

The International Science Fair is a dramatic change to the regular lesson program of the school. Students are expected to attend as if they are attending a science conference for the week. Because of the special nature of the program students are required to be at school for the afternoon of Tuesday but can choose to work from home or at the school on self-directed study on Friday 27 June. A number of students will also be involved in supporting the program of cultural activities for the international students on Friday.

Special notes:

- Year 12 students will be involved in a separate program of mid-year examinations for this week.
- Some students will be participating in individually negotiated Work Experience placements for this week.

Susan Hyde
Principal

Glenys Thompson
Deputy Principal, Curriculum & International Programs

ISF 2014 Program Summary

Monday 23rd June

8.40am	Students arrive at ASMS
9.00am	ISF 2014 Welcome Assembly and Cultural Performances
11.00am	“Innovation in STEM” keynote presentations
1.40pm	Introduction to Challenge Based Learning Activity
3.20pm	Dismissal from school

Tuesday 24th June

8.40am	Challenge Based Learning Activity –session 1
11.00am	Challenge Based Learning Activity –session 2
1.15pm	Challenge Based Learning Activity –session 3
2.15pm	ISF Presentation Seminar
3.30pm	ASMS students dismiss from school

Wednesday 25th June

8.40am	Challenge Based Learning Activity –session 1
11.00am	Challenge Based Learning Activity –session 2
1.15pm	Challenge Based Learning Activity –session 3
2.15pm	Set up for Poster Display
2.30pm	Public Viewing of Poster Display
3.30pm	ASMS students dismiss from school

Thursday 26th June

8.40am	Challenge Based Learning Activity – Finalise the Challenge
11.00am	Presentation of Challenge solutions to Appreciation Panels and Challenge Expo
1.45pm	ISF 2014 Closing Assembly
3.30pm	Close ISF 2014 & students dismiss from school

ISF CBL Challenge Activities

Fermentation Fiesta
The Future of Waste
The Dragon's Den
There's Gold in Them Thar hills!
Where to From Here
World's Fastest Rocket Cars
Defending the Earth from Cataclysmic Impacts
Sleeping in Space
Choose your own STEM Adventure!
Molecular Gastronomy
Eye in the Sky
Media Team (ASMS students only)
ISF Ambassadors (ASMS Students Only)

ISF Participating Schools

Australian Science and Mathematics School, Adelaide, Australia
Camborne Science & International Academy, Cornwall, England
Fort Richmond Collegiate, Manitoba, Canada
Hwa Chong Institution, Singapore
Korea Science Academy / KAIST, Busan, Korea
Lycée La Perouse High School, New Caledonia
Mahidol Wittayanusorn School, Bangkok, Thailand
Philippines Science High School, Main Campus, Philippines
Ritsumeikan Senior High School, Kyoto, Japan