

## APRSAF-17 WATER ROCKET EVENT: OUTLINE

- 1. Date:** 20 –21 November 2010 (Saturday - Sunday)  
(NB: Excluding arrival and departure dates.)
- 2. Venue:** Victorian Space Science Education Centre (VSSEC)  
@ Strathmore Secondary College  
400 Pascoe Vale Rd  
Strathmore, Melbourne, Victoria, Australia 3041
- Water Rocket Event Launch Site  
Cross Keys Reserve  
Cnr. Pascoe Vale Rd and Woodland St  
Strathmore, Melbourne, Victoria, Australia 3041
- 3. Lodging:** Alexander Motor Inn  
Address: 980 Mt Alexander Rd, Essendon 3040  
Telephone: +61 3 9374 1255; Fax: +61 3 9379 8784  
[alexandermotorinn@bigpond.com.au](mailto:alexandermotorinn@bigpond.com.au)  
[www.alexandermotorinn.com.au](http://www.alexandermotorinn.com.au)
- 4. Official Language:** English

**5. Tentative Schedule:**

Date	Time	Activity	
19 <sup>th</sup> November (Friday)		Arrive in Melbourne: transportation to the accommodation (participants will be met at the airport and transportation will be provided)	
20 <sup>th</sup> November (Saturday)	8:15	Bus transport to VSSEC	
	8:30	Registration	
	9:00	Opening Ceremony	
	9:15	Student Session – Students introduce their team and country. <b>Max 5min per country</b> . Power Point slides should be uploaded at registration or sent to the organisers before the event.	
	10:45	Morning tea	
	11:00	Special Lectures on space activities	
	11:30	<b>Teacher Program</b>	<b>Student Program</b>
		Workshop 1 (Option a or b) (refer to Teacher Program options)	Activity 1 & 2 (45min each) (refer to Student program description)
	1:00	Lunch	
	2:00	Workshop 2 (Option c or d) (refer to Teacher Program options)	Activity 3 (45min)
Water Rocket Workshop			

	3:30	Water Rocket Wiki Workshop	
	4:30	Briefing on the Water Rocket Launch Competition: Schedule of events and rules of the competition	
	5:00	Bus transport to accommodation	
	6:30	Welcome Reception, hosted by DIISR at Alexander Motor Inn	

### Student Program

Students participate in VSSEC Mission to Mars and Mission to the Orbiting Space Laboratory (MOSL) programs. Students will rotate through three sessions 1) suit up as an astronaut and complete experiments on the Mars surface, 2) instruct astronauts from Mission Control and 3) conduct experiments in the Space Laboratory. Students will then come together to exchange ideas related to water rockets and launch some advanced rockets.

### Teacher Program

Teachers will complete two out of three hands-on workshops and then participate in a Water Rocket Wiki Workshop.

- Option a: Moving on from basic water rockets
- Option b: Advanced water rockets, incl parachute return
- Option c: Basic launcher design and construction
- Option d: Advanced launcher design

21 <sup>st</sup> November (Sunday)	9:00	Bus transport to VSSEC
	9:30	Making of water rockets. While students are making water rockets teachers will tour VSSEC.
	12:00	Lunch
	12:45	Walk to launch site
	1:00	Launch competition
	5:00	Award ceremony
	5:30	Group photo
	7:00	Friendship Party, hosted by JAXA at Essendon Football Club
22 <sup>nd</sup> November (Monday)		Departure: transportation to the airport

## **6. Participants:**

- 1) Competitors: School students at age between 12 and 16 years old from countries in the region of Asia and the Pacific
- 2) Selection: A participating country should hold its national water rocket competition to select competitors.

(NB: It is suggested that the competitors be selected based on not only their performance in launching water rockets but also their interest in space activities and in friendship and cultural exchange. The selected students should preferably have adequate English language proficiency.)

3) Teachers/Leaders: The students shall be accompanied by teachers or leaders of youth activities to travel to Australia. The accompanying teachers or leaders must be interested in space and science education, willing to engage in the exchange of knowledge, experience and skills with water rocket and other educational activities with those from other countries and committed to promoting space and science education activities among young people in their home countries.

(NB: In view of the limited capacity of the venue and accommodation, each participating country should **limit the number of students to 6 and accompanying teachers/leaders to 2 to participate.**)

**7. Application Deadline:** The final list of all participants must be communicated to VSSEC, no later than **Friday 15 October, 2010**. For application received by this date VSSEC will issue a letter of invitation and assist with visa application.

**8. Local Organizer:** Victorian Space Science Education Centre (VSSEC) of Australia

Local Contact:

Dr. Naomi Mathers, VSSEC

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APRSAF-17 is hosted by the Department of Innovation, Industry, Science and Research (DIISR) through the Space Policy Unit.

**Co-Organizer:** Japan Aerospace Exploration Agency (JAXA)

Contact point:

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