



# **The Peninsula School**

## **USA Science Tour**

### **2012**



**Astronaut training as a 'mission specialist'  
or pilot.**

**Scuba.**

**Meet an astronaut.**

**Fly the space shuttle.**

Departing March / April 2012, this trip is open to students who will be studying in Years 9 & 10 in 2012. This is a trip of a lifetime. Two weeks (25000km) travelling to the best space centres in the USA. meeting space science experts with hands on training.

Attend a 6 day 'Advanced Space Academy' at the Space and Rocket Centre in Huntsville, Alabama.

The tour includes all accommodation, both international and domestic flights, entry fees at all main meals at space camp.



# **Proposed USA Science Tour 2012**

## **Advanced Space Academy: Huntsville, Alabama.**

The Advanced Space Academy is fully endorsed by NASA and offers hands-on training aimed at students between 15 and 18.

The students will participate in a rigorous program that teaches them about the mental, emotional and physical demands astronauts' face and provides leadership training as well as learning the importance of teamwork. They will be able to focus on their own field of interest: Pilot, Mission Specialist and rotate roles in the Orbiter, Space Station and Mission Control.

Computer and engineering skills are put to the test as the students design and test a virtual reality Mars rover as well as 1/6 gravity simulations, a Multi-Axis Trainer and a Neutral Buoyancy Trainer. (An Underwater SCUBA Trainer, a smaller version of the Underwater Astronaut Trainer)

## **Kennedy Space Centre: Cape Canaveral, Florida.**

The group will also travel to Orlando, to visit the Kennedy Space Centre at Cape Canaveral, and see the history of US space travel. They will experience a very realistic simulated shuttle launch and walk through a full-scale space shuttle then have lunch under a real Apollo Saturn V moon rocket. They will participate in hands-on activities at the International Space Station Assembly building, view an IMAX movie as well as meeting and talking with an Astronaut. Included is an "Up Close" tour of the Space Shuttles landing and launch facilities as well as the massive Crawler Transporter and the Shuttle Vehicle Assembly Building. (160 metres tall)

## **EPCOT: Disney World, Orlando, Florida.**

The group will spend a full day at the EPCOT Centre to see Future World including the Innoventions pavilion, Test Track, Spaceship Earth, the Universe of Energy, Mission "Space", Living Land and Seas displays that are out of this world. They will also attend a behind the scenes look at how Dolphins are trained and meet the trainers and vets at the "Living Seas" pavilion provided by the Disney "Youth Education Services" program. EPCOT also contains World Showcase, a Disney expo type presentation of the character and features of 11 nations of the world. Then the unbelievable evening fireworks display "Illuminations".

## **Magic or Animal Kingdom: Disney World, Orlando, Florida.**

The group will spend a full day at either Kingdom and attend a behind the scenes "Yes" program by Disney, looking at physics at Magic Kingdom or wildlife issues at Animal Kingdom. And yes, another fireworks display. Disney-MGM Studios: Disney World, Orlando, Florida.

A full day is set aside at Disney-MGM Studios for a day of showbiz, with

spectacular shows and thrilling rides such as the Twilight Zone “Tower of Terror” and fantastic “Lights, Motor, Action” stunt car show. The action and thrills of movies and television culminates in the evening laser and water show “Fantasmic”.

A time to relax before the rigors of space camp!

## Proposed Itinerary

Suggested dates based on using the last 4 school days of Term 1.

Day 1 Tuesday.

Flight from Melbourne to LA, then on to Orlando. Bus to Hotel.

Day 2 Wednesday

Bus to Epcot Centre for the day. (Future World and World Showcase)

Day 3 Thursday

Bus to Kennedy Space Centre for day. (Launch site and Up Close tour, etc)

Day 4 Friday

Bus to Disney World for the day. (Magic Kingdom including “Yes” program)

Day 5 Saturday

Bus to Disney World for the day. (MGM Studios, spectacular shows & rides)

Day 6 Sunday

Flight to Huntsville, Alabama. Registration at Advanced Space Academy

Day 7 Monday

Students are divided into tracks for Pilot +/- Scuba or Mission Specialist)

Day 8 Tuesday

Student activities in Space Camp compound. (Simulators, IMAX etc)

Day 9 Wednesday

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Day 10 Thursday

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Day 11 Friday

Graduation at approx 1pm, then afternoon shopping at mall in Huntsville.

Day 12 Saturday

Depart Orlando for LAX for a brief stopover then on to Melbourne.

Day 13 Sunday

Flight over the Pacific. (Crossing International Date Line)

Day 14 Monday

Arrive in Melbourne approx 9.00am.

For more information contact Dr Mark Barnes on 9788 7639 or email [mbarnes@tps.vic.edu.au](mailto:mbarnes@tps.vic.edu.au) or look at the website [www.aussiespacetours.com.au](http://www.aussiespacetours.com.au)