

Australian Science Teachers Association in conjunction with Latitude Group Travel

USA: From Microchip to Spaceship



Science Teachers' Professional Development Tour

**23 SEPTEMBER
to 4 OCTOBER 2017**

- Carefully crafted, curriculum linked itinerary specifically designed in conjunction with ASTA for Teacher PD
- Escorted by a dedicated Tour Director and highly qualified, award winning Australian STEM teacher
- Teacher experiential learning plus student observation all add to your professional development
- Safe, well located accommodation and modern coaches
- Full itinerary available upon deposit and registration
- Pre-departure briefing for participating teachers

TOUR HIGHLIGHTS

- Visit a high tech high school to observe classes and participate in teacher workshops
- Take a tour of Boeing with a STEM workshop to follow
- Spend the day on Puget Sound taking measurements on an Eco-Science vessel
- Go behind the scenes at the California Academy of Sciences
- Take workshops at the Teacher Institute, run by the Exploratorium
- Observe a class undertaking a simulated space mission
- See the Space Shuttle Endeavour
- Visit NASA's Jet Propulsion Laboratory for a guided tour
- Exceptional opportunity for STEM teachers to take professional development workshops at some amazing sites



TOUR COST

ASTA members \$6,475 ex Sydney

Non-ASTA members \$6,775

Cost is per person and includes flights from Sydney, twin share accommodation, all meals and all activities (excluding optional activities)

Single supplement applies of \$1,300pp. Tour cost may vary based on number of participants and exchange rates.

Create unforgettable memories as your develop your skills on this tour of a lifetime!

Curriculum linked

custom designed group tours

Experiential learning and exciting, engaging, safe group touring around the world

From Microchip to Spaceship

This remarkable teacher STEM professional development tour, on the West Coast of the USA, is designed to provide credits for your PD requirements. Covering the gamut of STEM activities, the tour includes teacher workshops at some extraordinary locations including a high tech high school, Exploratorium's Teacher Institute, University of Southern California (subject to availability), California Science Centre and more. Suitable for both primary and secondary teachers, there is something for everyone. Following the tour, you will have a plethora of ideas for classroom STEM activities. You may even want to take your students on an experiential learning tour of their own!

In addition to the above workshops, you will visit California Academy of Sciences for a behind the scenes tour, Nasa's Jet Propulsion Laboratory, Boeing, Autodesk and the Lawrence Livermore National Laboratory for some engaging student Science experiments. Subject to availability, your group will also visit Planet Labs, a new satellite company, not forgetting your chance to either undertake a simulated space mission or observe a class of students doing just that! Include a day on Puget Sound on an Eco-Science vessel undertaking sound studies and explorations, visits to the Bill and Melinda Gates Foundation and California Science Centre and you have a full STEM program for your professional development.

You also have the option to stay on after the tour and add in one or two days at Disney, observing a Science workshop each morning, with the rest of the day free. Another addition could be Universal Studios, including a STEM based guided tour – Special Effects or WaterWorld Technical – with the balance of the day free. You are welcome to add on any free days you wish and fly home when it suits. Optional extra days are not included in the price.

Each day of the tour includes hand on experiences aligned to the curriculum, giving you an exceptional opportunity to increase your knowledge of STEM and expand your teaching practice.

This is a ground-breaking tour full of teacher workshops, STEM activities and all that you will need to create engaging STEM lessons of your own.



TOUR ITINERARY

- Day 1** Fly from gateway city to Seattle. **Microsoft Visitor Centre**
- Day 2** **Boeing tour** and STEAM aligned education program. Tour **Bill and Melinda Gates Foundation Centre**
- Day 3** Morning on **Puget Sound on Eco-Science vessel** then travel to San Francisco
- Day 4** **California Academy of Sciences** "Behind the Scenes" tour. Afternoon sightseeing
- Day 5** **Planet Labs, Exploratorium** with teacher workshops, **Autodesk**
- Day 6** Morning **Lawrence Livermore National Laboratory** for student level Science experiments. Fly to LA
- Day 7** **Simulated space mission** – either observe a class or take part yourselves, depending on availability
- Day 8** **University of Southern California – Viterbi School of Engineering** for robotics program. **California Science Centre** with professional learning
- Day 9** Drive to San Diego for the day at a **high tech high school**, including professional development workshops and observation of classes. Return to LA
- Day 10** **NASA's Jet Propulsion Laboratory** then flight home in the afternoon
- Day 11** **Optional** day at Disney for observing student Science workshop and free time
- Day 12** **Optional** second day at Disney for observing student Science workshop and free time
- Day 13** **Optional** day at Universal Studios with technical tour – Special Effects or WaterWorld Technical and free time or fly home
- Day 14** Fly home

Participants will receive certification

of participation in curriculum linked professional learning referenced to the Australian Professional Standards for teachers.

Itinerary subject to change.

All activities and visits subject to availability.

If not available, activities will be substituted with equal emphasis on teacher professional development



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www.asta.edu.au

To book or for more information

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