



NATIONAL
YOUTH
SCIENCE
FORUM



NATIONAL SCIENCE TEACHERS SUMMER SCHOOL PROVISIONAL 2012 PROGRAM

Day	Time	Activity	Location
Sunday 8 th Jan	Afternoon and evening	Arrive at Ursula Hall, Daley Rd, ANU	Ursula Hall
	6:30 pm	Meet in 'Ursies' foyer	Ursula Hall
	6.45 pm	Walk to Shalimar Restaurant	Markus Clark St, Civic West
Monday 9 th Jan	9:00 – 10:15	Welcome and introductions; Program intro; Evaluation process	Ursula Hall Common Room
	10:15 – 10:35	<i>Morning Tea</i>	Ursula Hall
	10.35 – 10.45	Walk to Baume Building	
	10:45 – 12:00	Lecture 1. Physics "Lasers" Prof Hans Bachor and Patrick	ILT Lecture Theatre Baume
	12.00 – 12.15	Walk to Ursula Hall	
	12:30 – 1:30	<i>Lunch</i>	Ursula Hall
	1.30 – 2.00	Walk to ANU RSPHysSE (building 60)	
	2.00 – 5.00 incl afternoon tea 3.30 – 4.00	LAB VISITS 1a, 1b, 1c "Physics" Split into 3 groups of 15; visit Atomic Physics (Greg Lane), Matter & Antimatter (Stephen Buckmann), Computer Tomography/VISLAB (Tim Senden)	ANU Oliphant (60) and Leonard Huxley (56) Buildings
	5.00 – 5.30	Walk to Ursies	
	5:30 – 6:30	<i>Dinner</i>	Ursula Hall
	6.45 – 7.00	Bus to Questacon	Pick up Ursula Hall
	7:00 – 9:00	Live video conference: Q&A with scientists at CERN Large Hadron Collider in Geneva	Questacon
	9.15 – 9.30	Bus to Ursula Hall	Pick up Questacon
Tuesday 10 th Jan	8.30 – 9.00	Bus/walk to Academy of Science (Shine dome)	Pick up Ursula Hall
	9:00 – 10:15	"Biotechnology: science & ethics" Forum Involving NYSF & NSTSS	Shine Dome
	10.15 – 10.45	Morning tea at Shine Dome -	
	10.45 – 11.15	Bus/walk to Robertson LT	Pick up from Shine dome
	11:15 – 12:00	Lecture 2: Biology "Venom-breathing dragons" Assoc Prof Bryan Fry, UQ (tbc)	Robertson LT
	12:15 – 1:15	<i>Lunch</i>	Ursula Hall
	1.15 – 1.30	Walk to various locations, ANU or CSIRO Black Mountain labs	

	1:30 – 5:00 incl. afternoon tea at 3.00-3.15	LAB VISIT 2a, 2b, 2c “Biology”: (at ANU or CSIRO Black Mountain Laboratories) Split into 3 groups of 15; two groups do Strawberry DNA and CAMS (or RS Biology) at ANU, then swap at 3.15 – 3.30. Third group does CSIRO Insect Collection until 3.00, then CSIRO Plant Industry from 3.30	ANU and CSIRO Black Mountain labs
	5.00 – 5.30	Walk to Ursula Hall	
	5.30 – 6.30	Get ready for Science Dinner at Albert Hall	
	6.30 – 6.45	Bus to Albert Hall	Pick up from Ursula Hall
	7.00 – 10:30	NYSF Science Dinner	Albert Hall
	10.30 – 10.45	Bus to Ursula Hall	Pick up from Albert Hall
Wednesday 11 th Jan	9.00 – 9.30	Bus to Australian Parliament House	Pick up Ursula Hall
	9.45 – 11:45	APH: Parliamentary Education Office (PEO) – tour of the Parliamentary chambers and a workshop on the PEO role-play systems and how to use them in science classes.	APH
	11.45 – 12:00	Group photo in front of APH	
	12.00 – 12.30	Bus to Ursula Hall	Pick up from APH
	12.30 – 1.30	<i>Lunch</i>	Ursula Hall
	1:30 – 2.00	Walk to ANU Chemistry LT1, TBA	
	2.00 – 3:00	Lecture 3: Chemistry “TBA”, <i>Terry Frankcombe is having a think about someone suitable</i>	ANU Chemistry LT1
	3.00 – 3.15	Afternoon tea	ANU Campus
	3.15 – 3.30	Walk to Chem labs	
	3:30 – 5:00	LAB VISIT 3 ANU Chemistry – “Wet” lab for 45 people – <i>split if necessary; Vance Lawrence is keen to help</i>	ANU Chemistry
	5.00 – 5.15	Walk to Ursula Hall	
	5.30 - late	Free evening	
Thursday 12 th Jan	8.30 – 9.00	Bus to University of Canberra for Lab Visit #7	Pick up from Ursula Hall
	9.00 – 11.00	LAB VISIT 4 Uni Canberra, Forensic Chemistry – “Forensics & Science” including colour testing for drugs – Dr Tamsin Kelly	Building 7 at UC
	11.00 – 11.15	Morning Tea	
	11.15 – 12.30	UC Education session	University of Canberra
	12.30 – 1.00	Bus back to Ursies	Pick up from University of Canberra
	1.00 – 2.00	<i>Lunch</i>	Ursula Hall
	2.15 – 3.00	Bus to Tidbinbilla Deep Space Tracking	Pick up from Bruce Hall

	3:15 – 5:15	Excursion #1 Tidbinbilla Deep Space Tracking Station - Glen Nagle showcases Australia's key role in space science	Tidbinbilla Deep Space Tracking Station
	5.30 – 6.00	Bus to Mt Stromlo	Pick up from Tidbinbilla
	6:15 – 7:30	<i>Dinner (BBQ)</i>	Mt Stromlo
	7:30 – late	Excursion #2 Mt Stromlo Observatory telescope viewing	Mt Stromlo
	late	Bus back to Ursies	Pick up from Mt Stromlo
Friday 13 th Jan	8.30 – 9.00	Walk to TBA lecture theatre, ANU	
	9.00 – 10.30	Lecture 5. Planetary science "Climate Change and economics" Dr Janette Lindsay & Frank Jotno	ANU lecture theatre TBA
	10.30 – 10.45	Morning tea	ditto
	10.45 – 11.00	Walk to ANU Computer Lab	
	11.00 – 12:30	Online Learning Communities – Nigel Mitchell (online from Adelaide)	ANU Computer labs
	12.30 – 12.45	Walk to Ursies	
	12.45 – 1.30	<i>Lunch (note: short duration)</i>	Ursula Hall
	1.30 – 2.30	Evaluation and debrief Australian Curriculum and Science Enquiry Professor Dennis Goodrum, University of Canberra	Ursula Hall Common Room
	2.30 – 3.00	Bus to Geoscience Australia	Pick up from Ursula Hall
	3.00 – 4.45	Excursion #3: Geoscience Australia – hosted by the Education Centre; visit will be wide-ranging with hands-on activities and access to teaching resources – split into 3 groups of 15 – rotate to SHRIMP, Tsunami Centre, Education office (25 minutes each) – possible 15 mins for tea/coffee	GA, Symonston
	4.45 – 5.15	Bus to Questacon	Pick up from Geoscience Australia
	5.15 – 6.45	Excursion #4 Questacon – go crazy! You have the place to yourself as guests of Questacon	
	6.45 – 7.15	<i>Bus to Civic</i>	Pick up from Questacon
	7.30 – 10.00	<i>Casual dinner in town / free evening/walk back to Ursies -</i>	Civic
	10.00 - late	Kick onas desired	
Saturday 14 th Jan	0900-1000	Evaluation and debrief	
	10.00-10.30	Presentation of certificates	
	10.30	All depart	