



'Astronomy Adventure in the Canary Islands' 2018

Programme

Teachers:

RD – Rosa Doran (NUCLIO)
FL – Fraser Lewis (FTP, NSO)
NRE – Nayra Rodríguez Eugenio (IAC)

Monday - July 30th Introduction to Astronomy and to the course theme: stars and planets

Morning

9:00 -	Welcome	NRE, RD, FL
9:30		
9:30 -	Presentations: AACI, IAC, GTTP, Teachers	NRE, RD, FL
10:00		
10:00 -	Introduction to Astronomy/Astrophysics	NRE
11:00		
11:00 -	Break	
11:30		
11:30 -	Talk: Stars and Their Planets	NRE, RD, FL
13:00		

Afternoon

14:30 -	Warm up	
15:00		
15:00 -	Inquiry, Interdisciplinarity and Big Ideas of Science	RD
17:00		

Tuesday July 31 The Electromagnetic Spectrum

Morning

9:00 -	warm up	
9:30		
9:30 -	'The message of light (Introduction to electromagnetic spectrum)	NRE
10:30		
10:30 -	Building a Spectroscope	RD
11:00		
11:00 -	Break	
11:30		
11:30 -	Practical Activity with Spectroscope (The barcode of elements and Light Pollution)	NRE, RD, FL
13:00		

Afternoon

14:30 -	Warm up	
15:00		
15:00 -	Discover an Exoplanet	FL
17:00		

Wednesday August 1 Observing the Universe

Morning

9:00 -	warm up	
9:30		
9:30 -	Introduction to Stellarium	RD, FL
11:00		
11:00 -	Break	
11:30		
11:30 -	Preparing an Observing Session (with Stellarium and others)	FL, NRE
13:00		

Afternoon **Training visit to Teide Observatory**

14:00 -	Trip to Teide Observatory	
15:30		
15:30 -	Astronomy in the Canary Islands and their Observatories	NRE
16:30		
16:30 -	Workshop: Observing the Sun	NRE
17:00		
17:00 -	Visit to several telescopes with explanations about their work and the science carried with them	NRE
19:30		
19:30 -	Break for dinner	
20:30		

20:30 - 23:30	Workshop: Night observation with amateur telescopes and activity "Astronomers at work"	NRE
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Jueves 2 de agosto Telescopios robóticos e imágenes astronómicas

Morning

9:00 -	warm up	
9:30		
9:30 -	Observing with Robotic Telescopes	FL, NRE
10:00		
10:00 -	PETeR, Robots looking at the Sky (IAC)	NRE
10:30		
10:30 -	The Faulkes Telescope Project	FL
11:00		
11:00 -	Break	
11:30		
11:30 -	Introduction to image processing (Salsa J and others)	FL, NRE
13:00		

Afternoon

14:30 -	Warm up	
15:00		
15:00 -	Detecting Variable Stars	NRE
17:00		

Friday August 3 Active learning with Astronomy

Morning

9:00 -	warm up	
9:30		
9:30 -	Playing with Light Curves	NRE, RD, FL
11:00		
11:00 -	Break	
11:30		
11:30 -	Teachers Experiencies (15-20 minutes each)	
13:00		

Afternoon

14:30 -	Warm up	
15:00		

15:00 – Open Schools for Open Societies RD
16:00
16:00 - Evaluation and final remarks
17:00

Saturday August 4

OPTIONAL ACTIVITY: Training visit to Observatorio del Roque de los Muchachos (La Palma)