

Astronomy Outreach

Star People

Sharing the Universe

Astronomy Show – and – Tell

time: evening; 4 hours (18:30–22:30)

audience: 10 y and older, maximum of 30 people

venue: indoor lecture venue

activities: 30-minute talk (*Basic Astronomy: From the Universe to the Earth*) + 30-minute talk (*Sky Highlights for the next six months*)

duration: 1.5 hours

we provide: laptop, posters

you provide: venue, DV projector, screen (projector & screen available for hire at R 250). (remember warm clothes, blanket and/or camping chairs)

activities: sky talk + viewing the Moon, bright stars, bright planets and deep-sky objects through telescopes + Q&A

duration: 2.5 hours

we provide: telescopes, posters

handout: *Upcoming Highlights* + outreach materials

Sidewalk Stargazing

time: evening; 4 hours (18:30 – 22:30)

audience: any age (children to be accompanied by parents/guardians), maximum of 30 people

venue: urban sidewalk

activities: sky talk + viewing the Moon, bright stars, bright planets and deep-sky objects through telescopes + Q&A

we provide: telescopes, posters

you provide: nothing (but remember warm clothes, blanket and/or camping chairs)

handout: *Upcoming Highlights* + outreach materials

Astronomy menu

Astronomy Talk

time: day or night; duration 2 hours

audience: 10 y and older, number of attendees limited only by venue capacity

venue: indoor lecture venue

activities: 45-minute talk (*Basic Astronomy: From the Universe to the Earth*) + 45-minute talk (*Sky Highlights for the next six months*)

we provide: laptop, posters

you provide: venue, DV projector, screen (projector & screen are available for hire at R 250)

handout: *Upcoming Highlights* + outreach materials

Moonwatch

time: evening; 4 hours (18:30 – 22:30)

audience: any age, maximum of 30 people

venue: urban sidewalk

activities: sky talk + viewing the Moon through telescopes + Q&A

we provide: telescopes, posters

you provide: nothing (but remember warm clothes, blanket and/or camping chairs)

handout: *Upcoming Highlights* + outreach materials



Astronomy menu

Build a MoonScope

time: day or night; duration 45 minutes

audience: 12 y and older, maximum of 50 people

venue: indoor lecture venue

activity: assemble a MoonScope (a basic telescope) and learn how to use it

we provide: MoonScope kits, scissors, glue, laptop

you provide: venue (with tables), DV projector, screen (projector & screen for hire at R 250)

handout: *Upcoming Highlights* + outreach materials

Make a Southern Star Wheel

time: day or night; duration 45 minutes

audience: 12 y and older, maximum of 50 people

venue: indoor lecture venue

activity: assemble a Southern Star Wheel planisphere and learn how to use it

we provide: Star Wheels, scissors, glue, laptop

you provide: venue (with tables), DV projector, screen (projector & screen for hire at R 250)

handout: *Upcoming Highlights* + outreach materials

Astronomy Pub Quiz

time: day or night; duration 1 hour

audience: 12 y and older, maximum of 50 people

venue: indoor lecture venue

activity: a pub quiz with an astronomy theme

we provide: quiz materials, prizes, laptop

you provide: venue, DV projector, screen (projector & screen available for hire at R 250)

Road Trip: Sutherland

duration: three days + two nights

audience: maximum of 6 people

activity: A guided tour from Cape Town to Sutherland and back, highlighting the geology of the region and including two nights of guided star gazing.

cost: R 8 000 per person

Project: Combat Light Pollution

time: day and night

duration: 25 h (11 h theory + 6 h practical, over at least 2 days, and 2 nights)

audience: senior high school learners & adults, maximum of 10 people

venue: indoor lecture venue + clear night sky

activity: Understand the problem of light pollution; measure & map it in your area; suggest solutions

schedule: Day 1 (Introduction 2.5 h, How to make measurements 1.5 h), Day 2 (Data analysis 2 h, interpretation of results 2 h), Day 3 (Write-up of results 3 h), Night 1 (sky brightness measuring 3h) & Night 2 (sky brightness measuring 3h)

we provide: SQM-L Light Meters, recording sheets, laptops

you provide: venue (with tables), DV projector, screen (projector & screen for hire at R 250)

Road Trip: SKA

duration: three days + two nights

audience: maximum of 6 people

activity: A guided tour from Cape Town to Carnarvon and back, highlighting the geology of the region and including two nights of guided star gazing.

cost: R 9 000 per person

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