

# SEAN MEETING 2023

Singapore



# Astronomy in Singapore

## Community:

- National Astronomy Outreach Coordinator
  - Tan Jyh Harn (Science Centre)
- National Astronomy Education Coordinators
  - Tan Hoe Teck (SST)
  - Geraldine Tan (RI)
  - Abel Yang (NUS)
- University Departments
  - NUS Physics (Astronomy minor, Astrophysics specialisation, General education)
  - NTU Physics (General education)

# People and activities

- Mostly theoretical research, data analytics
  - from Singapore's geographical constraints
- Mostly engaged in education
  - Teaching is first priority
  - Small number of research track faculty
- Astronomers/astronomy education in NUS, NTU
- NUS astronomy minor enrolment 30~50/year
  - Started in 2022, numbers may change
- NUS astrophysics specialisation enrolment ~10/year
  - No Masters or PhD programme

# NUS Astronomy (Minor)

New in AY 2021/22

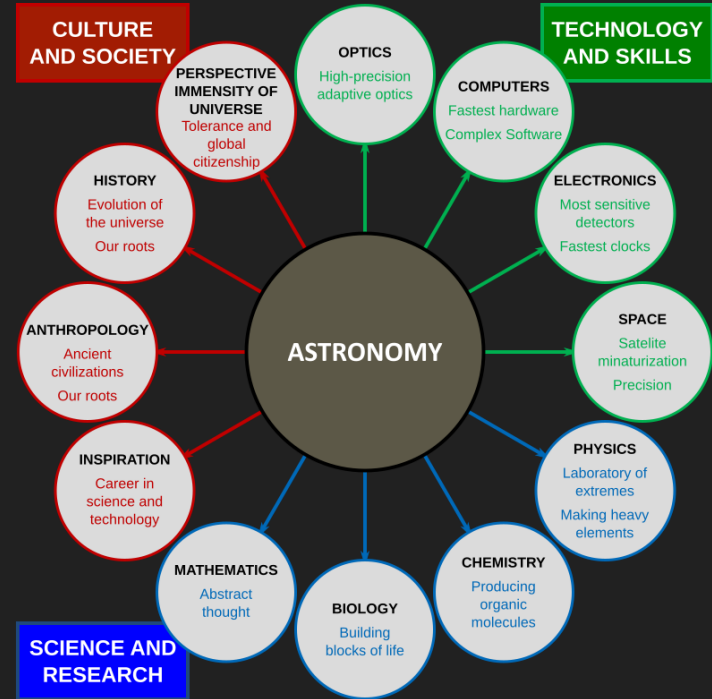
5 Modules to read:

- Introduction module
- Practical Astronomy
- Celestial Exploration (or classical mechanics)
- Choose 2 electives
  - Planet Earth
  - First 3 minutes of the universe
  - How stars work
  - From data to a galaxy

# NUS Astronomy (General Education)

4 modules in 2 pillars:

- Scientific Inquiry
  - What is a planet?
  - New worlds beyond earth
  - From ancient cosmologies to big bang
- Communities and Engagement
  - Sky and Telescopes (TBC)



# Telescope-in-a-box



200mm f/5 Newtonian

- Total carrying weight 12-19kg (depending on case)
- As small as 56x46x30cm when packed
- Set up in 15 min
- Fully balanced with 1.5kg counterweight
- Helical crayford focuser
- 3d-printed and machined parts

Full CAD files, plans and more available at

<https://wiki.nus.edu.sg/display/TEL/Telescope-in-a-box+Home>





# Telescope-in-a-box

