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People Science Forum

Ten Week Upasaki Prof. V M Parvathamma Memorial Space Eco Literacy and Sky Watch
Orientation Programme

BACKGROUND MATERIAL FOR THE WEEK # 04

Week	Agenda	Vision	Action
# 01 of 10	Climate Change	Wedonthavetime	One creative response
# 02 of 10	Pandemics since 1000 AD	Public Health	One action
# 03 of 10	Eco Sense is Cost Free	Ecological Sense	One Case
# 04 of 10	ISU and ISS	Space Quest	My Future in Space

WEEK # 04 OF 10

International Space University & International Space Station

: The Bench marks in Space Explorations

1. International Space University ISU

<https://www.isunet.edu/>

International Space University ISU is a place to get to know everything about the World Space Community they successfully achieve that by truly creating education programs that are very vital to understand Space development and Utilization.

ISU for me was 3 I's

1. **Interdisciplinary** - Education programs with all disciplines relevant to space. Engineering, Scientific, Law Economics.
2. **International** - Provides global networking opportunities and intensive teamwork practices. We had real life Astronauts teaching us on a regular basis. We used to connect to the ISS from our classroom!!
3. **Intercultural** - Entire curriculum revolves around people from a variety of backgrounds, cultural and national, various approaches to problem solving. We were truly multicultural with 110 students from 74 countries in my class!!

https://www.youtube.com/watch?v=Bj7P_ja0KcI

Father and Daughter from Mysuru, India Graduate from ISU Same Year, 2011

2. International Space Station ISS

https://www.nasa.gov/mission_pages/station/main/index.html

- International Space been occupied since 2000

- Astronauts and cosmonauts have conducted more than 221 [spacewalks](#) (and counting!) for space station construction, maintenance and upgrades since December 1998
- In 24 hours ISS makes 16 orbits of Earth travelling through 16 sunsets and sunrises
- 240 people from 19 countries have visited ISS
- ISS is 357 feet end-to-end, it can be fit in an American Football field
- The space station travels an equivalent distance to the Moon and back in about a day
- Six [spaceships](#) can be connected to the space station at once
- The living and working space in the station is larger than a six-bedroom house (and has six sleeping quarters, two bathrooms, a gym, and a 360-degree view bay window)
- To mitigate the loss of muscle and bone mass in the human body in micro gravity, the astronauts work out at least two hours a day.

Attachments area

Preview YouTube video How does the International Space Station work?



**(SEL SW Background Notes by Er. Sahana J, MS ISU MSS 2011
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