



INTEGRITY



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Trinity College Dublin
Coláiste na Tríonóide, Baile Átha Cliath
The University of Dublin

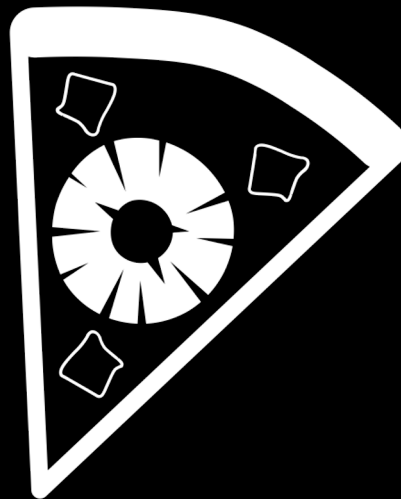
Space Exploration Module

ACTIVITY 1:

A QUESTION OF SPACE

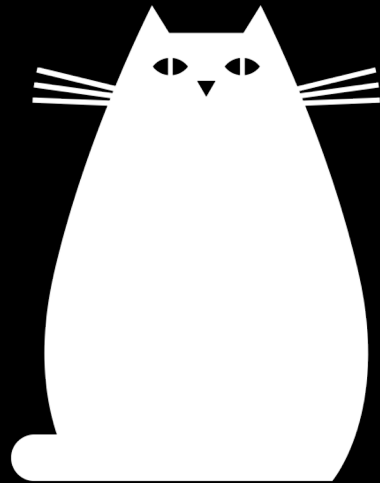


PINEAPPLE ON PIZZA

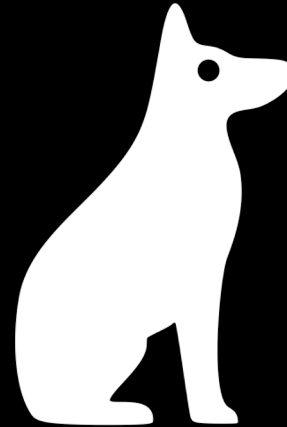


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CATS ARE BETTER THAN DOGS

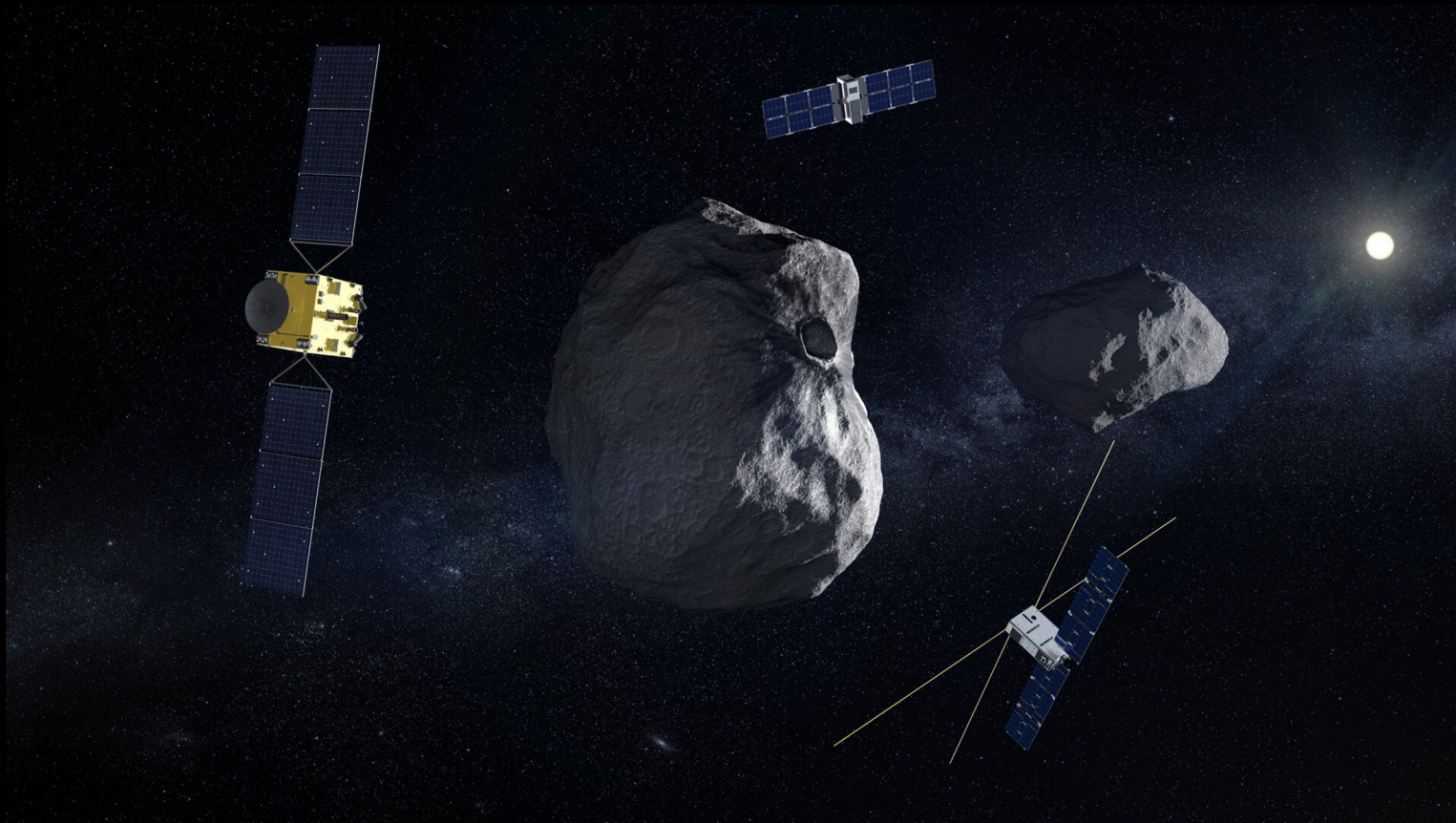


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ASTEROID MINING SHOULD REMAIN LEGAL



IT IS ETHICALLY ACCEPTABLE TO CREATE ARTWORKS IN SPACE



SPACE TOURISM SHOULD BE BANNED



ANIMAL TESTING IN SPACE IS ETHICALLY ACCEPTABLE FOR RESEARCH



HUMANS SHOULD HAVE A 'LEAVE NO TRACE' POLICY FOR PLANETARY EXPLORATION



Leave
No
Trace

Ireland → MARS

**IF WE FIND LIFE ON ANOTHER PLANET IT IS
ETHICALLY ACCEPTABLE TO TAKE IT BACK TO
EARTH TO RESEARCH**



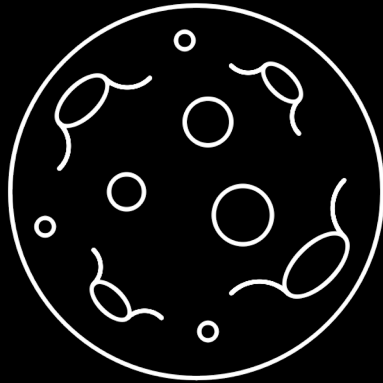
HUMAN COLONIZATION ON OTHER PLANETS IS UNETHICAL



**IT IS UNETHICAL TO ALLOW USING SACRED
LAND TO BUILD TELESCOPES ON**



WE SHOULD ESTABLISH A PLANETARY PROTECTION SYSTEM ON THE MOON

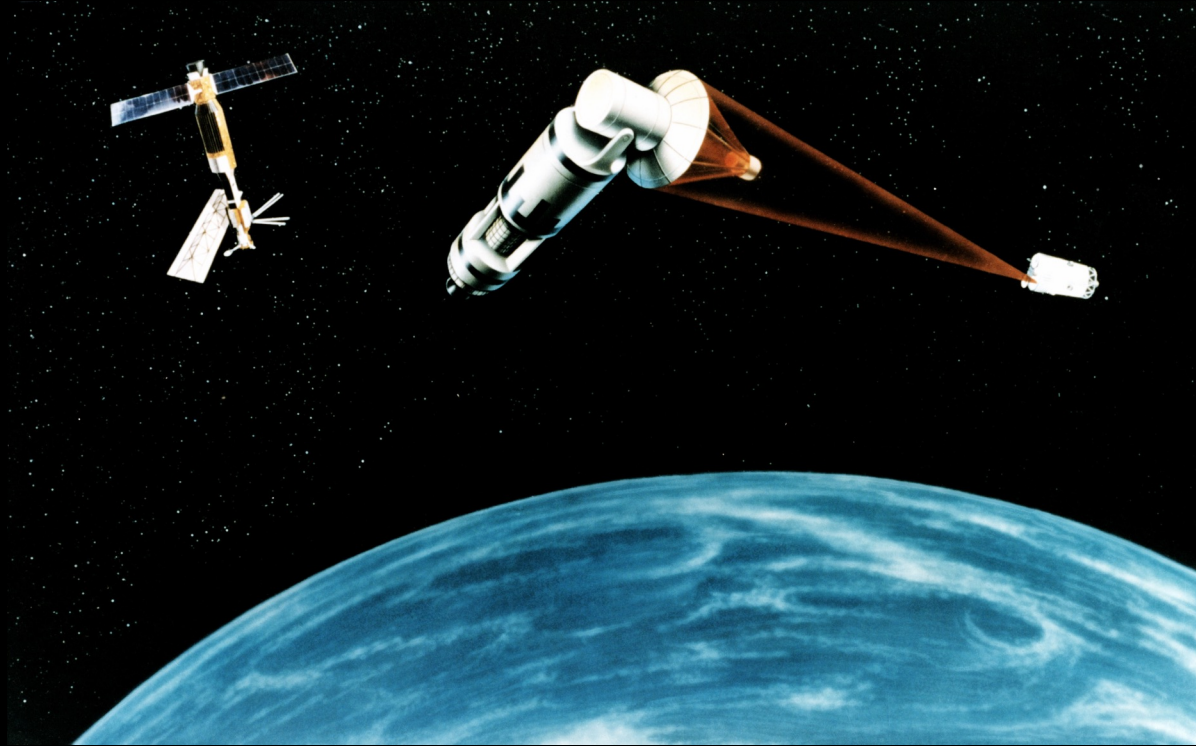


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MILITARY ACTIVITY SHOULD BE ABLE TO TAKE PLACE IN SPACE



ACTIVITY 2:

DESIGN A SPACE COLONY





OFFWORLD COLONY

Earth has become uninhabitable due to climate change and pollution. We have an opportunity to build a society from scratch. What should that look like?

Colony Design Needs

Overall Mission

- What is the driving goal of the colony?

Sustainability

- Food
- Water
- Oxygen
- Power

Decision Making

- Who makes the big decisions?
- How are resources spread?
- Crime judgements?
- How to deal with researchers who make discoveries around the same time?



Colony Design Needs

Basic Needs for Survival

- Food
- Water
- Oxygen

Decision Making

- Housing
- Health
- Culture

Sustainability

- Power
- Waste
- Materials



Keep in Mind

Distant Worlds

- Can't just send items from Earth

Environmental Hazards

- It's not safe out there: radiation, limited water, not Earth-like atmosphere

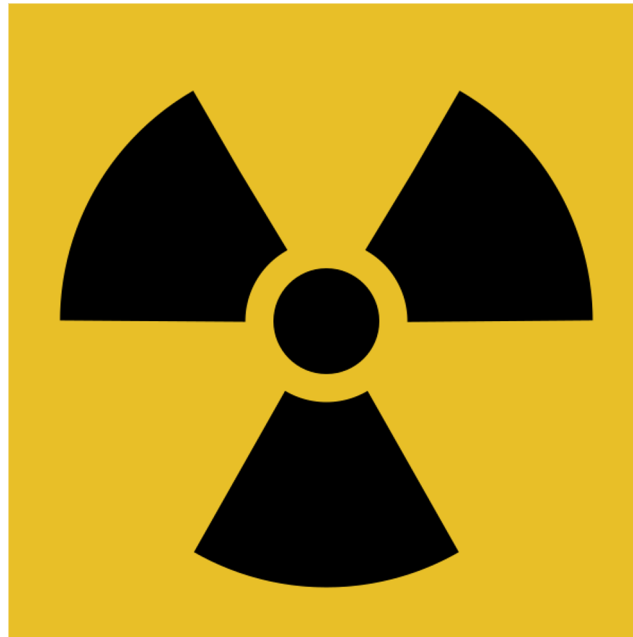
Speculative technology

- It's 2090, so what might be available?



COLONY SHAREBACK

DISASTER STRIKES!



DISASTER SHAREBACK