



ADMISSIONS | 2020-2021

The future of space exploration is in your hands. Take a look at the 22 missions (human flight, robotic spacecraft, development projects, and an earth-based telescope) to choose the exploration endeavors that you trust to bring about the best possible future. If you are able to fund one project each year, what eleven (11) projects would you fund and in what order would you fund them? Since there are 22 possibilities, you will need to abandon half of the options.

The most important project to you should be in YEAR 1, YEAR 2, YEAR 3, etc. Please make sure you select the prerequisite DEV projects if there is a ▲. The arrows indicate whether the mission is one-way or round trip.

For example, please do not list TROY ONE first because you haven't met the prerequisites (PHTHIA ONE and then PHTHIA TWO). The earliest you could do TROY ONE is YEAR 3.

Please answer at least two of the following questions:

*1. Rank the eleven (11) missions (YEAR 1 - YEAR 11) in a sequence based on importance in your opinion.*

*2. Please explain your thinking for the decisions you made. What do your choices say about what you believe? Please consider the difference between human and robotic flights. Are there any ethical issues you foresee with some of your top choices?*

*3. If you had to join one of the human missions, which mission would you want to join? What mission would you want to join least? Please explain.*

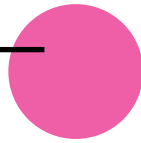
*4. Create your own mission. Please include mission objective(s), flight crew, mission name, a measure of difficulty, and any prerequisites needed.*

# MISSION NAME



## SIMPLIFIED GRAPHIC

*\*NOT TO SCALE*



## MISSION DIFFICULTY

*The higher the level of difficulty  
the higher the chance of the mission's failure.*

*RED represents most difficult and GREEN  
represents least difficult.*



HUMAN FLIGHT CREW #

## MISSION OBJECTIVE

★ Send a car to the outer reaches of the galaxy


▲ PYLOS


## PREREQUISITES


*A ▲ indicates a mission(s) that must precede  
(come before) this one.*

CAPRI ONE

→









MISSION OBJECTIVE


★ *land on Mars...set up fuel depot...survive*

CAPRI TWO

→







MISSION OBJECTIVE

★ *establish base...explore...survive*

▲ CAPRI ONE

# CAPRI THREE



## MISSION OBJECTIVE

★ *grow food...develop water source...expand civilization*

▲ CAPRI ONE, CAPRI TWO

# CAPRI FOUR




x 200

## MISSION OBJECTIVE

★ *establish permanent Martian civilization...allow return flights to Earth*

▲ CAPRI ONE, CAPRI TWO, CAPRI THREE, PYLOS

A E A E A








 x 200


MISSION OBJECTIVE


★ *establish permanent Moon base...allow for deep space travel*


▲ PYLOS

I T H A C A   T H R E E









MISSION OBJECTIVE

★ *first human flight past Uranus and around Neptune*

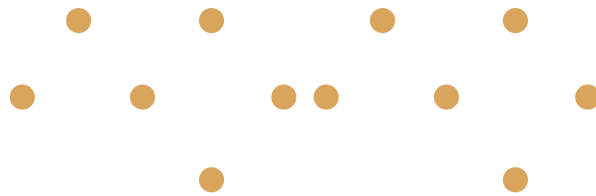
# ITHACA TWO



## MISSION OBJECTIVE

★ first human flight past Jupiter and around the rings of Saturn

# ITHACA ONE



## MISSION OBJECTIVE

★ first human flight through the asteroid belt

# ITHACA FOUR



x 200

## MISSION OBJECTIVE

- ★ *first space tourism flight past Jupiter and around the rings of Saturn*
- ▲ PYLOS, ITHACA TWO

# ITHACA FIVE



x 200

## MISSION OBJECTIVE

- ★ *first space tourism flight past Uranus and around Neptune*
- ▲ PYLOS, ITHACA THREE



# P H T H I A O N E

D E V

## MISSION OBJECTIVE

★ *phase one of developing a spacecraft that can travel closer to the speed of light*

# P H T H I A T W O

D E V

## MISSION OBJECTIVE

★ *phase two of developing a spacecraft that can travel closer to the speed of light*

# TROY ONE



ROBOTIC  
SPACECRAFT

## MISSION OBJECTIVE

★ a probe to visit our nearest star system

▲ PHTHIA ONE, PHTHIA TWO

# TROY TWO



ROBOTIC  
SPACECRAFT

## MISSION OBJECTIVE

★ a probe to visit the nearest planets most similar to Earth

▲ PHTHIA ONE, PHTHIA TWO

# PYLOS

D E V

## MISSION OBJECTIVE

★ *development of spacecraft to carry 200 humans*

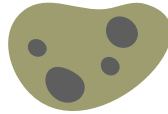
# AEOLIA

D E V

## MISSION OBJECTIVE

★ *development of an autonomous mining spacecraft to pull valuable minerals from comets and asteroids*

# HADES ONE



ROBOTIC  
SPACECRAFT

## MISSION OBJECTIVE

★ *mining local asteroids to extract a wealth of minerals presently valued at  
>\$1,000,000,000,000 USD*

▲ AEOLIA

# HADES TWO



ROBOTIC  
SPACECRAFT

## MISSION OBJECTIVE

★ *mining local asteroids to extract a wealth of minerals presently valued at  
>\$5,000,000,000,000 USD*

▲ AEOLIA, HADES ONE

# S O U N I O N   Z E R O

D E V

## MISSION OBJECTIVE

★ *develop the world's most advanced Earth-based telescope*

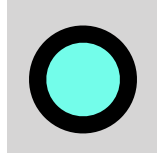
# M Y C E N A E   Z E R O

D E V

## MISSION OBJECTIVE

★ *develop the world's most advanced space-based telescope*

# S O U N I O N   O N E



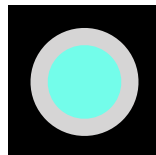
EARTH-BASED

## MISSION OBJECTIVE

★ *deploy the world's most advanced Earth-based telescope*

▲ SOUNION ZERO

# M Y C E N A E   O N E



ROBOTIC  
SPACECRAFT

## MISSION OBJECTIVE

★ *deploy the world's most advanced space-based telescope*

▲ MYCENAE ZERO