

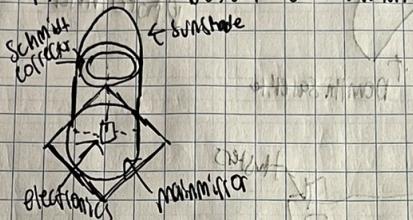
37) 3D Satellite Design Challenge

Objectives: Engineer a satellite capable of gathering the data needed to explore a compelling scientific question.

Inquiry: Is planet Hd a primordial Black Hole?

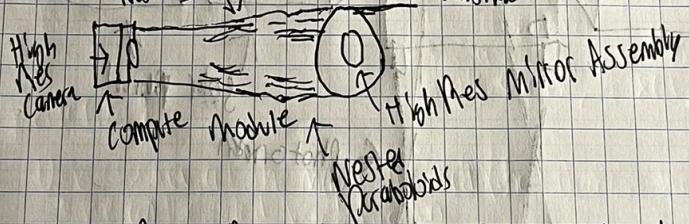
Needed Instruments:

- Photometer: Detect gravitational lensing

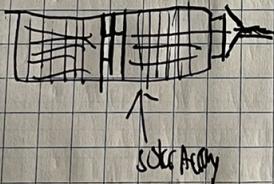


- Gravitational Wave Detector: Detect Material orbiting

- X-Ray Detector: Detect Accretion emission
Nestes superconductors

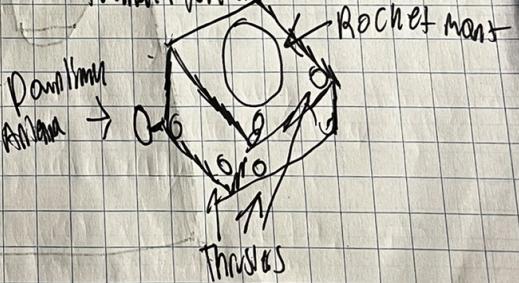


- Solar Panels: Provide Power

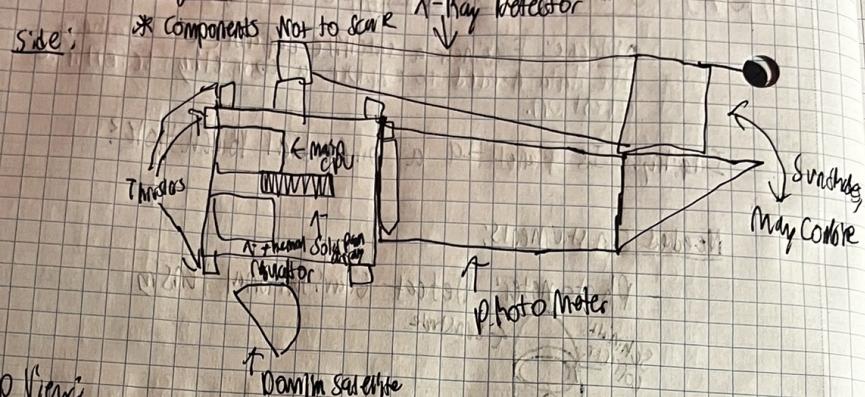


JanesM

- Spacecraft Bus: Main computer, Power supply, thermal regulator



36) Final Design:



Top View:

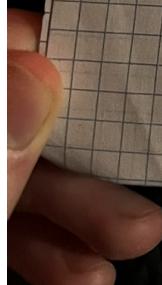
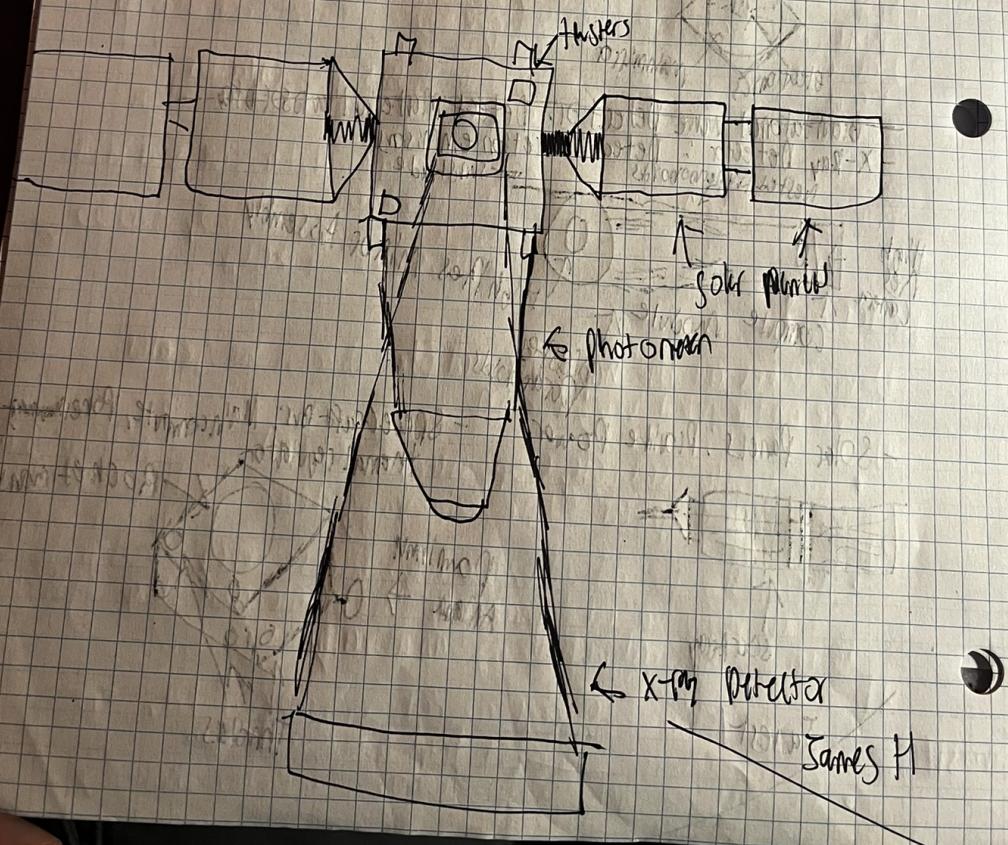


Table Of Contents

Pg #	Title / Activity	Date
1-4	Table of contents	
5-6	Opening Reflections	12/21/25
7-8	Planetary Defense	12/22/25
9-14	Are We Alone?	11/30/26
15-16	Satellites & Telescopes	11/04/26
17-20	Careers	11/10/26
21-27	Orbital Mechanics	11/11/26
28-29	Perseverance Parachute Code	11/11/26
30-31	MARS Rover	11/17/26
32	Autonomy, Asteroids, & Answers	11/24/26
33-35	Payload Pathfinder	11/31/26
36	Transfer Tech Research, Aerogel Insulation	12/08/26
37-38	3D Satellite Design Challenge	12/19/26