

Recorded Oral Presentation, due Thursday, 24 October 1:00pm

Instructions: Please prepare, record, and upload to the PKU website a 5-minute presentation by 24 October on a topic of your choice. Many options are listed below, or you can choose your own! This oral presentation will be 25% of your project grade. Your presentation will be in English and should have a maximum of 7 slides (6 slides plus a first slide with a talk title and your name) and a maximum of 5 minutes. Please do not go over 5 minutes!

Try to make your presentation interesting! You can look at the topics on the back of this page for ideas, or come up with your own.

| Topic | Description |
|---------------------------------|-----------------------|
| Crab Nebula | supernova remnant |
| Supernova 1987A | supernova |
| Trappist 1 | exoplanet system |
| Oumuamua | Interstellar asteroid |
| M87 black hole | Black hole |
| Einstein Cross | Gravitational Lens |
| Eta Carinae | Star |
| Betelgeuse | Star |
| Omega Centauri | Globular Cluster |
| 3C 273 | Quasar |
| Sagittarius A* | Black Hole |
| GW150914 | Black Hole merger |
| GW170817 | Neutron Star merger |
| GN-z11 | Galaxy |
| JADES-GS-z14-0 | Galaxy |
| Sloan Great Wall | Galaxy Cluster |
| Vera Rubin | Astronomer |
| Jocelyn Bell | Astronomer |
| Cecelia Payne | Astronomer |
| Henrietta Leavitt | Astronomer |
| Margaret Geller | Astronomer |
| Chandrasekhar | Astronomer |
| Arthur Eddington | Astronomer |
| Karl Schwarzschild | Astronomer |
| FAST | Radio Telescope |
| LAMOST | Optical Telescope |
| Chinese Space Station Telescope | Optical Telescope |
| ALMA | Radio Interferometer |
| Jade Rabbit | Lunar Probe |
| Zhurong | Mars Rover |
| James Webb Space Telescope | |
| Tianhe 3 | Supercomputer |
| LIGO | Gravitational Wave |
| Sputnik | Soviet Satellite |
| Apollo Moon Landings | Satellite |
| Crewed missions to Mars | Challenges for future |
| Deep Impact | Satellite |
| JUNO | Satellite |
| Cassini | Satellite |
| Dragonfly | Titan Drone |
| Tiangong | Space Station |
| Chinese Deep Space missions | Space Mission |
| Chinese Manned Space Program | |