Intro – take what exists and make it more astro based

Intro 2 – pandas and matplotlib, create a series in matplotlib and plot them (escape vel satellites)

3 - How long does it take light from the Earth to reach the Moon?

4 - What's the intensity of the Sun's light when it gets to Saturn?

5 - Plot the grav. potential well of the Earth.

6 – Plotting the chemical composition of the atmosphere

7- Plotting a small HR diagram

8 – Planetary data with Pandas (escape vel satellites) create a series

9 – A stellar class (OOP)

10 – Momentum with Numpy

Intermediate intro can be split

OOP goes to 9

Intermediate   
1 - Timing etc separate and astro related  
2 - Simulations last one

3 – Animations  
4 – Opening FITS files