

BYA Class 4

- Constellations II
 - Orion, Taurus and Pleiades, Canis Major
 - Orion: Betelgeuse (red super giant), Rigel (blue giant), Orion Nebula
 - Taurus: Aldebaran (red giant)
 - Canis Major (Sirius - 8.6 ly)
- Stars
 - The Nearest Stars
 - Star Brightness and Color; $L = \sigma AT^4$
 - Colors
 - 2,500 to 5,000 C = Red - Orange
 - 5,000 to 7,000 C = Yellow
 - 7,000 to 11,000 C = White
 - > 11,000 C = Blue - White
 - The Brightest Stars
- The Big Picture - Stellar Evolution
 - HR Diagram
 - Birth of Stars in Nebula, Star Clusters
 - 'Adult Stars' (aka Main Sequence Stars)
 - Old Age (Giants and Supergiants; Planetary Nebula)
 - Red Giants = 10's x Dia_☉
 - Red Super Giants = 100's x Dia_☉
 - Death (White Dwarfs, Supernova)