

BYA Class 4

- Constellations II
 - Big and Little Dipper (Ursa Major and Ursa Minor; the Great and Little Bear)
 - Pointer stars, Guard Stars, Polaris
 - Cassiopeia (the Queen)
- 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)