

BYA Class 5

- Constellations III
 - Summer
 - Cygnus the Swan aka Northern Cross
 - Deneb
 - Summer Triangle: Deneb, Vega, Altair
 - (Cygnus, Lyra, Aquila)

- Seasons
 - Tilt of Earth's Axis (seasons)
 - Precession (changing North Star; change in seasonal constellations)
 - 26 thousand years
 - Time, Calendar (locked to the seasons),
 - Day = 365d 5h 48m 46s
 - Pope Gregory in 1582

- Planetarium Programs
 - Free, Shareware, Paid
 - Any place on Earth (or even off earth); any time for hundreds of years; some to thousands of years.

- Sky Motions
 - Daily Motions
 - Spin of Earth: Sun and Moon - East to West across sky each day
 - details of moon motion later ~ 1hr later/nite
 - Hourly changes of stars; Rise in East, set in West
 - Polaris; Circumpolar Stars
 - Where are Dippers
 - Motions over a Year
 - Stars rise 4 minutes earlier each nite. Two hours per month, 24 hrs/yr.
 - Motion of Sun for a year - Ecliptic
 - Motion of planets
 - Precession
 - Sun signs (Astrology)
 - 'North Star'
 - Horoscopes!!