Fun Facts:

**Epsilon Lyrae**

Computer Code: epslyr

* **Other Names:**
  + The Double Double
* **Location:**
  + RA: 18h 44m 9s
  + Dec: 39⁰ 41’
* **Basics:**
  + This is a double star, but when viewed under higher magnification, each of the doubles is itself a double…making 4 stars in all:
    - Naked eye: one point of light
    - With binoculars: two points of light
    - With telescope: four points of light
  + 160 light years away
    - Light we’re seeing left in 1856 AD:
      * Just before the Civil War
      * Lawrence was sacked by pro-slavery forces, kicking off Bleeding Kansas
      * James Buchanan was elected president
  + The two binocular star systems are separated by about 10,000 AU and they probably take about 500,000 years to rotate around each other.
* **Epsilon1**:
  + These component stars have magnitudes of 4.7 and 6.2.
  + They are separated by 140 AU.
  + Their orbital period is about 1,200 years.
* **Epsilon2**:
  + These component stars have magnitudes of 5.1 and 5.5.
  + They are separated by 120 AU.
  + Their orbital period is about 500-700 years.
  + A fifth component star was discovered in 1985 that rotates around Epsilon2.