Astronomy Sun’s Path Exit Ticket

Your Task: For an observer located at 41° north latitude, draw the apparent path of the sun for the solstice and equinox dates.

Your drawing (in pencil) should include:

(Hints: I suggest you draw them in this order, and you may wish to use a calculator to help you.)

- Polaris (labeled neatly)
- (8) compass directions: S, SE, E, NE, NW, W, SW, on the observer’s horizon. (I’ve drawn north for you...)
- Sun’s solar noon location for the (2) solstices and (2) equinox dates.
- Label these solar noon locations on the edge of the celestial sphere:
  - “EQ” (Equinox)
  - “JS” (June Solstice)
  - “DS” (December Solstice)
- Neatly drawn lines showing the sun’s apparent movement above the observer’s horizon
- Arrows showing the direction of the sun’s motion along these apparent paths of the sun.