Soref Planetarium, Milwaukee Public Museum

*Below are suggestions to use in a **live sky talk** before or after presenting **Stellar Women in Astronomy**. Please feel free to make your own connections with these and other women astronomers. Use pictures and videos as needed.*

ASTRONOMER	SKY SIGHT	CONNECTION POINTS to TEACH
• Hypatia	**North Star**	Astrolabe--Location/latitude, North Star, Directions; Have audience do sky measurements—importance of it--closed fist = 10 degrees, finger width 2 degrees
• Caroline Herschel	**Comets & Nebulae**	Show location of any recent comets and/or nebulae. Fun facts of comets, dirty snowball/icebergs, like cats—tail & unpredictable. Bright comets rarity—hard to see--very diffuse, light pollution--hard to get dark skies
• **Maria Mithcell**	**Eclipses**	You can do comets here too, but her 1878 eclipse trip was legendary. When are the next solar & lunar eclipses in the sky?
• **Henrietta Leavitt**	**Cepheus**	Point out Show Delta Cephei (the first Cepheid discovered) in Cepheus--talk on variable stars and her work on Cepheids in Magellanic Clouds
• Annie Jump Cannon	**Star Color**	Point out red Betelgeuse and blue Rigel for winter. Or yellow Arcturus, red Antares and blue Spica. Ask why stars have different colors? Temperature!
• Cecilia Payne	**Sun**	Stars are far aways suns, they are all made of hydrogen—mostly. They all work the same way—hydrogen to helium....nuclear fusion.
• **Joycelyn Bell**	Pulsar	Show Taurus--location of M1, Crab Nebula --or other supernovae remnants—Cass A in Cassiopeia, Tycho's in Cassiopeia, Kepler's in Ophiuchus, Veil Nebula in Cygnus. Talk about radio "light"—EM Spectrum...
• Katherine Johnon **& All**	**Moon**	Show Moon—how we used math (Hidden Figures) to get there. Laws of gravity. Relate discovery of Neptune using math.
• **Vera Rubin**	**Andromeda Galaxy**	Or show another galaxy. Zoom up… talk about speed of stars—Vera's discovery. Talk on dark matter—"*Stars are a small part of what's out there in space."*
• **Katie Bouman**	Black Holes	Show location of M87 in Virgo (50 million light years away) or Sagittarius A (27,000 light years, or Cygnus X-1 (7,200 light years).