

List of Stars

Common Name	Proper Name	Constellation	Direction
Deneb	α Cynus	Cygnus	Overhead
Vega	α Lyra(e)	Lyra	Overhead
Altair	α Aquila(e)	Aquila	Overhead
Arcturus	α Bootes	Bootes	West
Alcor + Mizar (Binary)	ζ (zeta) Ursa Major [†]	Ursa Major	North
Dubhe*	α Ursa Major	Ursa Major	North
Mirak*	β Ursa Major	Ursa Major	North
Antares	α Scorpii	Scorpio	South
Polaris (North Star)	α Ursa Minor	Ursa Minor (~Little Dipper)	North

* = names not on the star wheel. Need to look up the star then the constellation either online or in the audobon guide. They can also zoom in on the star on stellarium to see the proper name.

[†] = brightness not easy to identify on star wheel (or even on wikipedia). Need to look up a picture of Ursa Major (see attached) or accept the students best guess based on the size of the star on the star wheel / star chart.

Moon and Planets

Object	Color	Constellation	Nearest Star*
Jupiter	White	Sagittarius/Capricornus	
Saturn	White (or yellow/red)	Sagittarius/Capricornus	
Moon (Full on Sep. 1)	White	Aquarius	

For these objects, the students will use Stellarium to figure out the constellation and nearest star.

* = I'll accept pretty much anything for the nearest star. It could be the nearest faint star, the nearest star with a common name, or the nearest star from the list of stars.