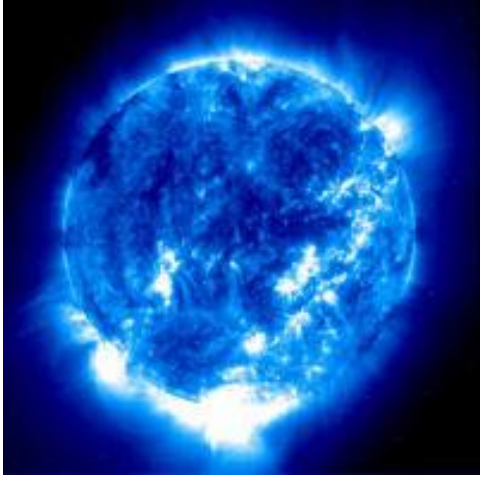




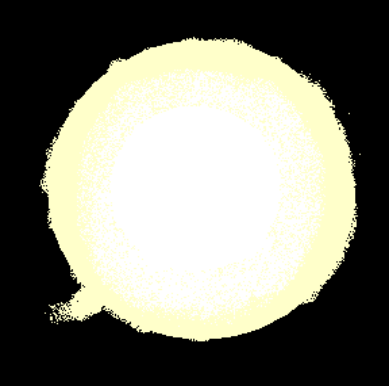

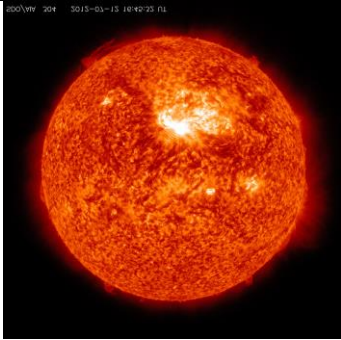

Star Scavenger Hunt

Welcome space explorers, this will be your guide as we search the universe (your house) for the many different types of stars within it. We will be searching for stars and then comparing them with one another. We will also be learning about the sizes stars and how their colors relate to how hot they are. The seven main star types are categorized by the picture below.



1. Look around your house and see if you can find an object that could represent each of the star types. You may need to travel to deep space (the backyard or driveway) if you can't find one of the stars indoors. (The stars you find don't have to match the colors of each star type).
2. The chart below may help if you are not sure what kinds of things you can should find. We want you to create your own scale, so the objects only have to be different sizes compared to one another, they do not have to match the examples exactly.

O-Type	B-Type	A-Type
		
<p>Surface Temperature: Over 25,000K</p> <p>Color: Bright blue flame</p> <p>Size: The largest of all the star types. 15 to 90 times the mass of our sun.</p> <p>Home Examples: The biggest ball you can find. Big beach ball, yoga ball,</p>	<p>Surface Temperature: 11,000K-25,000K</p> <p>Color: Blue</p> <p>Size: 2 to 15 times the mass of our sun.</p> <p>Home Examples: Basketball, large kickball, watermelon.</p>	<p>Surface Temperature: 7500K-11,000K</p> <p>Color: White</p> <p>Size: 1.4 to 2 times the mass of our sun</p> <p>Home Examples: soccer ball, volleyball, cantaloupe.</p>

F-Type	G-Type	K-Type	M-Type
			
<p>Surface Temperature: 6000K-7600K</p> <p>Color: White- yellow</p> <p>Size: 1-1.4 times the mass of our sun</p> <p>Home Example: a softball, a small soccer ball, grapefruit, orange.</p>	<p>Surface Temperature: 5200K-6000K</p> <p>Color: Yellow</p> <p>Size: .84 to 1 times the mass of our sun. Our sun is a G-type star.</p> <p>Home Examples: Stress ball, large bouncy ball, racquetball, lacrosse ball, baseball, tennis ball, lemon.</p>	<p>Surface Temperature: 3900K-5200K</p> <p>Color: Orange</p> <p>Size: .5 and .8 times the mass of our sun.</p> <p>Home Examples: Smaller bouncy ball, cotton ball, golf ball, ping pong ball, kiwi, lime.</p>	<p>Surface Temperature: 2000K-3900K</p> <p>Color: Red</p> <p>Size: Smallest of the stars. .08 to .5 times the mass of the sun.</p> <p>Home Examples: Smallest ball or rock you can find, blueberry.</p>