



key:

- Sun
- Mars
- Mercury
- Jupiter
- Venus
- Saturn
- Earth
- Neptune
- Pluto
- Uranus

Scale:

scale: 1/5 mile

Length of line: 1.5m

	Expectation	Questions	Evidence
Asheville Map (10 points)	Route highlighted clearly	<i>-How did you do this? -How did you highlight the planets on your map?</i>	
	Planets located on map accurately to scale	<i>Are they accurately to scale or very close?</i>	
Ratio work showing scaling of planets (20 points)	Quality Work/Craftsmanship	<i>-How did you increase your level of craftsmanship for this project?</i>	
Accurate Scale of Miles to Feet (20 points)			
Accurate Scale of			

<p>Feet to Inches (20 points)</p>	<p>Organized in chart</p>	<p><i>-Did you show all of your work with necessary ratios? -Were your ratios set up correctly?</i></p>	
	<p>Labels for Planets</p>	<p><i>-Did your work have labels for knowing which ratio matched which planet?</i></p>	
	<p>Unit labels</p>	<p><i>-Do ALL of your ratios have correct labels-feet, inches, miles, AUs?</i></p>	
	<p>Neat Handwriting-Pencil First</p>	<p><i>-Is this your neatest work? Why or why not?</i></p>	

	Review former craftsmanship goals	<i>How did you build on your craftsmanship from your last big project?</i>	
Recording Sheet (5 points)	Accurately label location, directions, and distance of all planets	<p><i>-Did you completely fill in this sheet?</i></p> <p><i>-Did you describe directions from place to place with directional words (north, south, east, west)?</i></p> <p><i>-Did you find the difference(subtract) between each location?</i></p>	
Perseverance and Self-Regulation (20 points)	<p>-Stay on task during work time</p> <p>-Quiet during quiet time and on task talking during talking time</p> <p>-Pushing through-take a break if necessary, ask</p>	<p><i>-Did you follow these guidelines for work time?</i></p> <p><i>-What percentage of time would you say you did?</i></p> <p><i>-What helped you?</i></p>	

	for help, say “I got this” a lot	<i>-What distracted you?</i>	
<i>What did you learn about YOURSELF through this challenging project?</i>			









