

Assignment Checklist Astronomy

Key	
INTRO:	Introduction, WU: Warm-Up, CD: Content, PPT: Presentation, AC: Application of Content, S: Summary, GS: Getting Started, MS: Module Survey, MT: Module Test, MAA: Module Authentic Assessment

Topic/Page in Course	Activity Title	Activity Type	Total Points	Date Completed	Points Earned
Module 1: What is Astronomy?					
1.1 WU	Identifying Items in the Solar System	List			
1.1 AC	Scientific Notation	Problem Set			
1.2 AC	Scientific Investigation Design	Hands-On OR Virtual Scientific Investigation			
1.3 AC	Tilt, Rotation, and Revolution	Quiz			
1.4 WU	Moon Movement	Discussion			
1.4 AC	Lunar Phases Scientific Investigation	Hands-On Scientific Investigation			
1.5 WU	Next Lunar Eclipse Date	Date Recording			
1.5 AC	Eclipse Party Invite	Invitation Design			
MAA	Astronomy Magazine Cover	Magazine Cover Design			
MT	Module Test	Test			
Module 2: Constellations					
2.1 WU	Night Sky Adjectives	List			
2.1 AC	Rotating Sky Scientific Investigation	Virtual Scientific Investigation			
2.2 WU	Shapes in the Sky	Discussion			
2.2 AC	Constellation Online Encyclopedia Entry	Graphic Organizer			
2.3 AC	Construct a Planisphere	Planisphere Construction			
MAA	Visit to a Planetarium	Planetarium Visit			
MT	Module Test	Test			
Module 3: Historical Astronomy					
GS	Historical Astronomy Brainstorm	Sketch			
3.1 AC	Interview with Ancient Astronomer	Interview			
3.2 AC	Age of Astronomy Quiz	Quiz			
3.3 AC	Greatest Accomplishment of Modern Astronomy	Discussion			
MAA	Astronomer Social Networking Profile	Social Networking Profile Webpage			
MT	Module Test	Test			
MS	Course Survey	Survey			
Module 4: Radiation and the Electromagnetic Spectrum					
4.1 WU	List of Elements	List and Web-Based Application			

4.1 AC	Build an Atom Scientific Investigation	Virtual Scientific Investigation			
4.2 AC	Light and the Spectrum	Check for Understanding			
4.3 AC	Blackbody Radiation Problem Set	Problem Set			
4.4 WU	Sounds Near and Far	Discussion			
4.4 AC	The Movement of Stars Problem Set	Problem Set			
MAA	Radiation and the Electromagnetic Spectrum Collaborative Presentation	Collaborative Presentation			
MT	Module Test	Test			
Module 5: Astronomical Tools					
GS	Sketch of Space	Sketch			
5.1 AC	Astronomer Acrostic Poem	Acrostic Poem			
5.2 AC	Optical Telescope Email	Email Composition			
5.3 WU	See It to Believe It	List			
5.3 AC	Radio Telescopes	Quiz			
5.4 AC	Hubble Telescope or James Webb Telescope	Discussion			
MAA	Use a Virtual Telescope	Virtual Scientific Investigation			
MT	Module Test	Test			
MS	Course Survey	Survey			
Module 6: The Sun					
6.1 WU	Is the Sun Important?	Discussion			
6.1 AC	Pinhole Viewer Scientific Investigation	Hands-On Scientific Investigation			
6.2 AC	Nuclear Processes	Quiz			
6.3 AC	Space Weather Forecast	Solar Weather Prediction			
MAA	The Sun Mobile App	Mobile Application Design			
MT	Module Test	Test			
Module 7: Stars					
7.1 WU	Systems of Classification	Discussion			
7.1 AC	Spectral Classes Mnemonic Device	Mnemonic Device Design			
7.2 AC	<i>Comet Chaser</i> Fact Checker	Fact Checker			
7.3 AC	Distance and Parallax Calculations	Problem Set			
7.4 AC	Characters in Stellar Evolution	Comic Strip			
MAA	The Life Cycle of a Star Movie Trailer	Movie Trailer			
MT	Module Test	Test			
Module 8: Groups of Stars					
8.1 AC	Star Systems Cube	Cube Model			

8.2 WU	Carl Sagan Quote	Discussion			
8.2 AC	Galaxies Venn Diagram	Graphic Organizer			
8.3 AC	Milky Way Galaxy Word Cloud	Wordle™			
8.4 AC	Cosmology, the Big Bang Theory, and the Fate of the Universe	Check for Understanding			
MAA	Groups of Stars Museum Exhibit	Museum Exhibit Design and Podcast			
MT	Module Test	Test			
MS	Course Survey	Survey			
Module 9: The Solar System					
9.1 AC	Solar Nebula Theory Creation Story	Story			
9.2 WU	Terrestrial Planets Similarities and Differences	List			
9.2 AC	The Planets from Mercury to Neptune	Graphic Organizer			
9.3 WU	Jovian Planets Similarities and Differences	List			
9.3 AC	The Planets from Mercury to Neptune, contd.	Graphic Organizer			
9.4 AC	Dwarf Planets Quiz	Quiz			
9.5 WU	The Study of Comets	Discussion			
9.5 AC	Asteroids, Comets, Meteors, and Trans-Neptunian Objects Crossword Puzzle	Crossword Puzzle Design			
MAA	Solar System Project Design	Project Design			
MT	Module Test	Test			
Module 10: Astronomical Organizations and Space Exploration					
10.1 AC	Lunar Lander	Virtual Scientific Investigation			
10.2 AC	Astronomy Organization Recruitment Poster	Poster			
10.3 AC	Current and Future Missions Collage	Collage			
10.4 WU	A Picture of Extraterrestrial Life	Sketch			
10.4 AC	Is There Extraterrestrial Life?	Discussion			
MAA	Science Organization Volunteer	Volunteer Experience			
MT	Module Test	Test			
MS	Course Survey	Survey			