





## A-STEM FOR LIFE SUMMER CAMP SCHEDULE

### Astronomy: Agenda and Daily Lesson Plan

June 22-26, 2015



	Monday	Tuesday	Wednesday	Thursday	Friday
<b>Location:</b> WVU White Hall	 <b>Before Camp Drop off and Social Time</b> (drop off/pick up on Prospect Street by Mountainlair)				
<b>Camp Location</b>	Rm G04 (9-10:30 am; 1-5 pm) Rm G06 (10:30-11:45 am)	Rm G04, G06	Rm G04, G06	Rm G04, G06	Rm G04, G06
8:30	Open Discussion / Talk about Day Events				
9:00	Welcome/ Introductions/ What is Astronomy?	Types of Telescopes and Wavelengths	Computer Lab Activity <i>Explore Green Bank, WV Radio Telescopes</i>	Exoplanets and Plotting activity	Group Work What will your Telescope Explore? Plan? Assess?
9:45					
10:00	Kepler Astronomy Laws and Planetary Ellipse Thinking	Planetarium Video	Galaxy Astronomy	Planetarium Video	Group Work Identify Problem Statement/ Solution
11:00					
11:15	Stellar Evolution presentation	SkyView activity And Micro Observatory	Infrared Astronomy and Infrared Camera activity	Meteorites	Group Work Work on Presentations
12:00	<b>Lunch Break</b> 				
1:00	Solar Viewing and Sunspot Morphology	Industry Guest Speaker Dr. McLaughlin <i>Astronomy Field of Study</i>	Industry Guest Speaker Timothy Haddix & Andrea Alborn <i>Bombardier Aerospace</i>	Planetary Geology and Future Landing Site activity	Evaluation Forms (Post Assessments) ----- <b>Groups Demo Results to Visitors</b> Presentations on what was learned
1:45					
2:00	HR Diagram activity	Computer Lab <i>Online Sites</i> PSC Lessons	How do planes fly? <i>Aerodynamics</i>	Galileoscope Build a Telescope using Materials	
3:00					
3:15	3D Constellations activity	Group Pulsar activity and discussions	Hands-on Activity Build a Rocket	Building Session  (If Tuesday was cloudy) 8:00-9:00 pm Night Session – Rooftop Telescope	Wrap-Up End of the Week Discussions
4:00		8:00-9:00 pm Night Session – Rooftop Telescope			
4:15	Wrap-Up (End of the Day Discussions)				
4:30	<b>Pick-up</b>				