





A-STEM OF MIND SUMMER CAMP SCHEDULE

Robotic Engineering: Agenda and Daily Lesson Plan July 7-11, 2014



	Monday	Tuesday	Wednesday	Thursday	Friday
Location: Camp Meets at MARS Facility	 Before Camp Drop off and Social Time				
8:30	Open Discussion / Talk about Day Events				
9:00	Welcome/ Introductions	Group Activity Robotics (Computer)	Group Activity Build Robots (Technology)	Group Activity Robot Maze (Engineering)	Group Activity Test Robot Design
10:00	Assessments				
10:00	Group Activity Robotics (Math)	Coding with NXT sensors, motors, bricks	MARS Demonstration	MARS Demonstration	Teams Rate Effectiveness of Robots
10:45					
11:00	Lesson Plan: Linear	Lesson Plan: Geometry	Lesson Plan: Physics	Lesson Plan: Mechanical	Evaluation Forms (Post
12:00	Equations			Design	Assessments)
12:00	Lunch Break 				
1:00	Art	Art	Art	Art	Groups Demo Robots to Visitors
1:45	(STEM Lesson)	(STEM Lesson)	(STEM Lesson)	(STEM Lesson)	
2:00	Intro to Lego Robots	Industry Career Awareness	Industry Career Awareness	Industry Career Awareness	to Visitors
3:30	(Mindstorm)	(Guest)	(Guest)	(Guest)	
3:45	Wrap-Up (End of the Day Discussions)	Wrap-Up (End of the Day Discussions)	Wrap-Up (End of the Day Discussions)	Wrap-Up (End of the Day Discussions)	Wrap-Up (End of the Day Discussions)
4:00					
4:00	After Camp (Play games, reading, unwind and social time)				
4:30	Pick-up				



Supported by Mountaineer Area Robotics (MARS)
Team #2614 <http://www.marsfirst.org/>



Supported by NASA IV&V Educator Resource Center

Summer Camp Location:

- Mon, Tues, Wed, Thurs, Fri (MARS Facility, Beside Mountaineer Middle School, 991 Price Street, Morgantown, WV 26505)