

**Curriculum Schedule - Wyoming STARBASE Academy  
2011-2012**

Day 1	Day 2	Day 3	Day 4	Day 5
Orientation & Contract 9:00-9:30	Physics A: Eggbert 9:00-10:00	STEM A: Careers on Military Facilities - Tour 9:00-10:00	Chemistry Sciences B: Physical and Chemical Changes - Warm Ups & Cool Downs 9:00-10:00	Engineering A: Engineering Design Process - Bridge Quest 9:00-10:00
Chemistry Sciences A: Building Blocks of Matter - Creating/Building Molecular Models 9:30-10:30	Break (15 min) 10:00-10:15	Engineering B: 3-D Computer Aided Design - DoD Satellite 10:00-11:00	Physics A: Crash Test Dummies & Newton's Three Laws of Motion 10:00-11:00	Break (15 min) 10:00-10:15
Break (15 min) 10:30-10:45	Engineering B: 3-D Computer Aided Design - Lab Module 10:15-11:15	Break (15 min) 11:00-11:15	Physics A: Newton's Three Laws of Motion - Rocketry 11:00-12:00	Technology B: Navigation & Mapping - NGA Mapping (Hawai'i) 10:15-11:15
Mathematics D: Data Analysis - Pop Goes the Fizz 10:45-11:45	Technology B: Navigation & Mapping - NGA Mapping (Washington DC) 11:15-12:15	Physics B: Fluid Mechanics and Aerodynamics - Bernoulli's Principle Experiments 11:15-12:15	Lunch 12:00-12:30	STEM B: Personal Investigations - Careers 11:15-12:00
Lunch 11:45-12:15	Lunch 12:15-12:45	Lunch 12:15-12:45	Mathematics A: Number and Number Relationships -	Lunch 12:00-12:30
Chemistry A: Chromatography 12:15-12:45	Math B: Measurement - Metric Mission 12:45-1:45	Chemistry Sciences C: Atmospheric Properties - Fluid Investigations 12:45 - 2:15	Technology A: Innovations - Intro to Nanotechnology 12:45 - 2:15	Site Specific STEM LP Engineering B: 3-D Computer Aided Design - STARBASE Logo Tag 12:30-1:30
Engineering B: 3-D Computer Aided Design - Army Rover Mission 12:45-1:30	Engineering B: 3-D Computer Aided Design - Rendering 1:45-2:15			Graduation 1:30-2:15
Math C: Geometry - Circuit Board Geometry 1:30-2:15				

	WySBA Hours	SOA Required Hours
Physics	4	3.5
Chemistry Sciences	4	3.5
Technology	3.5	4
Engineering	4.25	4
Mathematics Operations	3	2
STEM Careers	1.75	1.5
Management, Breaks,	4.75	---
Site Specific STEM LPs	1	---
<b>Total Hours</b>	<b>26.25</b>	<b>18.5</b>