



## Student Capacity: Indoor/Outdoor

	Type				Remarks
	Indoor	Outdoor	Total indoor	Total outdoor	
<b>Oliver Ranch School</b>					
<b>Student Arrival/Departure</b>					
• Shaded Drop-off Area		105		<b>105</b>	All buses may arrive simultaneously
<b>Student/Teacher/Chaperone Housing</b>					
• Gathering Spaces (3 ea.)	35		<b>105</b>		1 Gathering Space serves 1 full class of 35 (max)
• Student Sleeping Spaces - ADA (18 ea.)	6		<b>36</b>		
• Student Sleeping Spaces (18 ea.)	8		<b>96</b>		
<b>Dining Area</b>					
• Indoor Eating	105		<b>105</b>		
• Outdoor Eating		35		<b>35</b>	Possibility of 1 class dining together outside
<b>Fitting and Laundry</b>					
• Gear Room	12		<b>12</b>		1 Instructor Group in Gear Room at a time
• Fitting Area	12		<b>12</b>		1 Instructor Group in Fitting Room at a time
<b>Classrooms/Labs</b>					
• Indoor Flex-Lab (4 units)	12		<b>48</b>		
• Outdoor Flex-Lab (2 units)		12		<b>24</b>	
<b>Research Area</b>					
• Research Lab	12		<b>12</b>		supervised visits by 1 Instructor Group
<b>Art Room</b>					
• Art Room	12		<b>12</b>		
<b>Greenhouse</b>					
• Greenhouse	12		<b>12</b>		
<b>Outdoor Areas</b>					
• Amphitheater/Friendship Circle		105		<b>105</b>	
• Teaching Shade Structures (12 ea.)		12		<b>144</b>	
<b>Water Supply</b>					
• Water Supply	12		<b>12</b>		
<b>Wastewater</b>					
• Wastewater		12		<b>12</b>	
<b>Recycling/Trash</b>					
• Recycling/Trash		12		<b>12</b>	
<b>Wild horse and Burro Facility</b>					
<b>Arena</b>					
• Arena	105		<b>105</b>		
<b>Outdoor Gathering Space</b>					
• Outdoor Gathering Space		35		<b>35</b>	
<b>Teaching Shade Structures</b>					
• Teaching Shade Structures (2 ea.)		35		<b>70</b>	Class groups of 35 (max.) will visit together

# Activity List

A list of responses by workshop participants to question cards distributed on Wednesday, April 28<sup>th</sup> during the *Goals and Objectives Session* for the Oliver Ranch School.

*What kinds of activities can you envision occurring at the school?*

Data compilation  
Field sampling  
Guest presenter programs  
Science fair  
Field labs  
Self-discovery, self-paced programs  
Multiple long-term field studies  
Leadership activities  
Daily journal  
Use of the scientific method  
Observation stations  
'Hands-on first-hand' experience  
Classes: physics, biology, ecology, astronomy, geology, cultural

Study of ecosystem interrelationships: plants, animals, geology, water  
See the seasonal changes within the desert  
All-encompassing classes about the desert  
Team activities: similar to symbiotic desert relationships

Communicate value of stewardship to others  
Concept of stewardship  
Science specific teaching of energy and conservation  
Work to rehabilitate damage to the environment  
Research the work to rehabilitate the damage to the environment  
Study how man has utilized and modified the environment  
View of man's effect upon nature and nature's effect upon itself  
Measuring human impact (including their own)

Knowledge of animal (including equine) behavior and history  
Knowledge of plant/flower behavior and history  
How have flora and fauna adapted to environment  
Identification of native species  
Plant and animal identification  
Gathering plants and making 'things' out of them  
Looking for insects  
Inventory and monitoring of sensitive flora and fauna  
Looking for insects  
Transect vegetation observation  
Wildlife viewing (including insects)  
Journal of flora and fauna  
Flora and rock search using guides

Understand removal of water and returning it to its natural context  
Studying effects of rain, drought, wind, and comm. within the environment  
Study how water usage affects water flow of springs  
Evapo-transpiration measurements for ponds and springs  
Explore the springs and learn the importance of water in the desert  
Riparian studies and sampling

Understanding geologic landscape of RRC and the Mojave Desert  
Geologic identification  
Study of visible changes in the landscape  
Rock identification

Hikes outside of the property (Spring Mountain Ranch)  
'Explore' the environment  
Guided nature hikes  
Mapping  
GPS activity

'Night-in-the-desert' (moonlight walk with astronomical component)  
Star-gazing  
Evening programs that become 'tradition'

Resource measurement with use, and resource control  
Data collection on 'green design elements' and analysis  
Study thermocouples staged within walls

Artistic (could be written, photographic, etc...) expression  
Art based programs to encourage observation in the desert  
Cultural reproductions  
Music

Quiet-time of listening and observing  
Fun  
Campfire with storytelling  
Archery  
Interaction with horses

Program for every school to be involved in whether attending or not  
Development of a project to take back to the school  
A project started before, worked on during, and completed after visit