

# TERC Field Trip Activities Aligned with the Next Generation Science Standards

Field Trip Activities	NGSS Alignments		
	Grades 3 to 5	Middle School	High School
<b>Water on Earth:</b>			
Blue Planet	5-ESS2-2, 5-ESS3-1	MS-ESS3-1, MS-ESS3-4	
Drop in the Bucket	5-ESS2-2, 5-ESS3-1	MS-ESS3-4, MS-ESS3-3	
The Incredible Journey	5-ESS2-1, 5-ESS2-2, 5-ESS3-1	MS-ESS2-4	
Incline Creek Stream Monitoring	3-LS4-3, 3-LS4-4, 4-LS1-1	MS-LS1-5, MS-LS2-1, MS-LS2-4, MS-LS2-2, MS-LS2-5	HS-LS2-6, HS-LS2-7, HS-LS4-6
<b>Shaping Earth's Surface:</b>			
<a href="#">3D Earthquake Viewer</a>	4-ESS2-2	MS-ESS2-3	HS-ESS1-5, HS-ESS2-1
Topography	4-ESS2-2	MS-ESS1-4, MS-ESS2-2	
Landforms	3-ESS3-1, 4-ESS1-1, 4-ESS2-1, 4-ESS3-2, 5-ESS2-1	MS-ESS2-2	
<b>Geology/Plate Tectonics:</b>			
<a href="#">3-D Earthquake Viewer</a>	4-ESS2-2	MS-ESS2-3	HS-ESS1-5, HS-ESS2-1
Quakes at the Lake	4-PS4-1, 4-ESS3-2	MS-ESS2-2, MS-ESS2-3	HS-PS4-1
Rock Around Tahoe	4-ESS2-1, 5-PS1-3	3	HS-ESS2-1
<b>Aquatic Food Web:</b>			
Building Lake Tahoe's Aquatic Food Web	3-LS2-1, 3-LS4-3, 3-LS4-4, 3-LS4-2, 5-PS3-1, 5-LS2-1	MS-LS1-4, MS-LS1-5, MS-LS1-6, MS-LS2-1, MS-LS2-2, MS-LS2-3, MS-LS2-4	HS-LS2-4, HS-LS2-1, HS-LS2-2, HS-LS2-6, HS-LS2-7, HS-LS4-4, HS-LS4-6
Macroinvertebrate Monitoring	3-LS4-3, 3-LS4-4, 3-LS3-2	MS-LS2-1, MS-LS2-4, MS-LS1-5	HS-LS2-6, HS-LS2-7, HS-LS4-6
<b>Environmental Detectives:</b>			
"Mystery of the Dying Fish" GEMS Environmental Detectives	3-LS4-3, 3-LS4-4, 3-LS3-2, 3-ETS1-2, 4-ETS1-2, 5-ETS1-2	MS-LS2-1, MS-LS2-4, MS-LS2-2, MS-LS2-5, MS-LS1-5, MS-ESS3-3	HS-LS2-2, HS-LS2-6, HS-ESS3-3, HS-LS2-7, HS-LS4-6
<b>Tahoe Science Center Tours:</b>			
Map	4-ESS2-2		
Boat	5-ESS3-1		HS-ESS2-2
Lab	3-LS4-3, 3-LS4-4, 5-ESS2-1, 5-LS2-1	MS-ESS2-1, MS-LS1-5, MS-LS2-1, MS-LS2-3, MS-LS2-4, MS-LS2-5	HS-ESS3-4, HS-LS2-6, HS-LS2-7, HS-LS4-5, HS-LS4-6
Video	4-ESS1-1	MS-ESS2-2, MS-ESS3-1	HS-ESS3-1
Green Building Tour	3-ESS3-1, 4-ESS3-1, 4-ESS3-2, 5-ESS3-1	MS-ESS3-3, MS-ESS3-4	HS-LS2-7, HS-LS4-6, HS-ESS3-1, HS-ESS3-4, HS-ETS1-2, HS-ETS1-1, HS-ETS1-3
<b>Lakes of the World:</b>			
<a href="#">3-D Lake Viewer</a>	4-ESS2-2, 5-ESS2-1, 5-ESS3-1	MS-ESS2-2	HS-ESS2-1
<b>The Tahoe System:</b>			
Watershed Model	3-LS4-4, 5-ESS3-1	MS-ESS3-3	HS-LS2-7, HS-LS4-6
Build Lake Tahoe	3-LS4-4, 5-ESS3-1	MS-ESS3-3	HS-LS2-7, HS-LS4-6
Pollution Adds Up	4-ESS2-1, 4-ESS3-1, 5-ESS3-1	MS-ESS3-3, MS-ESS3-4, MS-LS2-5	HS-LS2-7, HS-LS4-6, HS-ESS3-1, HS-ESS3-4, HS-ETS1-1, HS-ETS1-2, HS-ETS1-3
Incline Creek Stream Monitoring	3-LS4-3, 3-LS4-4, 4-LS1-1	MS-LS1-5, MS-LS2-1, MS-LS2-4, MS-LS2-2, MS-LS2-5	HS-LS2-6, HS-LS2-7, HS-LS4-6
Macroinvertebrate Monitoring	3-LS4-3, 3-LS4-4, 3-LS3-2	MS-LS2-1, MS-LS2-4, MS-LS1-5	HS-LS2-6, HS-LS2-7, HS-LS4-6
<b>Earth System Science:</b>			
"3-Part Play" Carbon Cycle	5-LS2-1, 5-ESS2-1	MS-ESS2-1, MS-ESS3-5, MS-LS1-6, MS-LS2-3	HS-ESS2-4, HS-ESS2-6, HS-ESS3-4, HS-LS1-6, HS-LS2-4, HS-LS2-5
<b>The Microplastics Problem:</b>			
The Plastic Problem/Microplastic Solutions	5-ESS3-1, 4-ESS3-2	MS-ESS3-3, MS-LS2-5	HS-ESS3-4, HS-LS2-7