

Colorado Adventure Point Program Catalog 2020

Lesson Title	Chemistry	STEM	Physical Science	Engineering	Biology	Sustainability/ Ecology	Math	History	Craft	Recreation	Life Skills	Time	Grade	Standards	Larger Program
Climbing			☑				☑			☑		45-60	K+	SC.K.1.1, SC.K.3.2, SC.4.1.4, SC.MS.1.3, SC.MS.1.5, SC.MS.1.7, MA.6.EE.A	
Archery			☑				☑	☑		☑		30-45	1st+	SC.K.1.1, SC.K.3.2, SC.4.1.4, SC.MS.1.5, SC.MS.1.7, SC.HS.1.4, MA.6.EE.A, MA.6.EE.C, MA.HS.N-VM.A	
Team-Building										☑	☑	45-90	K+	SC.4.1.4	
Leatherworking								☑	☑			45-60	K+	SC.K.1.1	
Woodworking/Woodcarving				☑			☑	☑	☑		☑	60-75	5th+	SC.K.1.1, MA.6.EE.A, MA.6.G.A	
Wilderness Survival and First Aid					☑	☑					☑	75-90	4th+	SC.P.3.1, SC.K.3.2, SC.1.2.1, SC.2.1.1, SC.4.1.4, SC.4.1.7, SC.MS.2.5	
Shelter-building			☑	☑		☑	☑	☑			☑	60-75	1st+	SC.K.1.1, SC.MS.1.3, SC.MS.2.5, MA.6.EE.A, MA.6.G.A	
Cooking	☑										☑	30-90	K+	SC.P.1.1, SC.2.1.1	
BB Gun Shooting			☑							☑		30-45	1st+	SC.K.1.1, SC.MS.1.5, SC.MS.1.7	
Air Rifle Shooting			☑							☑			6th+	SC.K.1.1, SC.MS.1.5, SC.MS.1.7	
Metalworking			☑					☑	☑			45-75	5th+	SC.5.1.2, SC.MS.1.1-1.2, SC.MS.1.6	
Pottery and Sculpture							☑		☑			60-90	K+	SC.K.1.1, MA.6.G.A	
Zombie Survival (Condensed)					☑		☑				☑	75-90	3rd+	SC.P.3.1, SC.K.3.2, SC.1.2.1, SC.2.1.1, SC.4.1.4, SC.4.1.7, SC.MS.1.1, SC.MS.1.5, SC.MS.2.5, MA.6.G.A	Zombie Survival
Zombie Leadership											☑	45-90	3rd+		Zombie Survival
Zombie Health and First Aid	☑	☑	☑		☑						☑	75-90	4th+	SC.P.3.1, SC.K.3.2, SC.1.2.1, SC.2.1.1, SC.4.1.4, SC.4.1.7, SC.MS.2.1, SC.MS.2.5, SC.MS.2.7	Zombie Survival
Zombie Engineering		☑	☑	☑			☑					60-75	1st+	SC.K.1.1, SC.MS.1.3, MA.6.EE.A, MA.6.G.A, MA.7.G.A	Zombie Survival
Zombie Env Science and Navigating		☑				☑	☑			☑	☑	60-150	1st+	SC.MS.2.5, SC.MS.2.7, MA.6.EE.A, MA.6.EE.C, MA.6.G.A, MA.7.G.A	Zombie Survival
Zombie Forensics	☑	☑	☑		☑							30-90	K+	SC.K.1.1, SC.5.1.2, SC.HS.2.1,	Zombie Survival
Zombie Physics	☑	☑	☑	☑								30-120	3rd+	SC.MS.1.3, SC.MS.1.5, SC.HS.1.4, MA.6.G.A	Zombie Survival
Scientific Method and Phase Changes (Ice Cream)	☑	☑										75-90 (30)	K+	SC.5.1.2, SC.MS.1.1-2, SC.MS.1.6, SC.HS.1.6	Chemistry through

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Fermentation and Food Safety (Pickles and Ricotta)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>							75-120 (30-75)	K+ (pickles) 3rd+ (cheese)	SC.MS.1.1	Chemistry through
Carbonation and Nutrition (Homemade Rootbeer)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>					30-75 (65)	K+	SC.MS.1.1	Chemistry through
Acid and Bases (Irish Soda Bread)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										90-150 (90)	3rd+	SC.MS.1.1	Chemistry through
Strawberry DNA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>							45-60 (30)	3rd+	SC.HS.2.1	STEM Camp
Hydrogen Balloons	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>							30-60 (30)	3rd+	SC.MS.1.1-2	STEM Camp
Exothermic Elephants	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										15-20	K+	SC.MS.1.1-1.2, SC.MS.1.6	STEM Camp
Exothermic Volcanoes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										15-20	K+	SC.MS.1.1-1.2, SC.MS.1.6, SC.MS.3.4	STEM Camp
Exploring Ice Cream	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										20-30	K+	SC.5.1.2, SC.MS.1.1-1.2, SC.MS.1.6, SC.HS.1.6	STEM Camp
Soda Geyser Reactions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									75-90	K+	SC.MS.1.1-1.2	STEM Camp
Investigating Spectra	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									30-45	5th+	SC.1.1.1	STEM Camp
Smoke Bomb Fountain	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										15-30	3rd+	SC.MS.1.1	STEM Camp
Fireworks/ Fireworks Tshirts									<input checked="" type="checkbox"/>			15-30	3rd+	SC.HS.3.1	STEM Camp
Designing a Parachute		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>					45-60	5th+	SC.MS.1.3, SC.MS.1.5, SC.HS.1.4, MA.6.EE.A	STEM Camp, Force
Egg Drop		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>					60-75	5th+	SC.5.1.3, SC.MS.1.3, SC.MS.1.5, SC.HS.1.4, MA.6.EE.A	STEM Camp, Force
Designing Alka-Seltzer Rockets		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								45-60	5th+	SC.MS.1.3, SC.MS.1.5	STEM Camp
Angry Birds		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								90-120	5th+	SC.5.1.3, SC.MS.1.3, SC.MS.1.5	STEM Camp
Designing a Circuit for a Treehouse		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	60-70	7th+	SC.1.1-1.2, SC.MS.1.4	STEM Camp
Marble Run		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								60-70	7th+	SC.MS.1.5	STEM Camp
Build an Art Bot that Likes to Draw		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>								60-75	7th+	SC.MS.1.1, SC.MS.1.4	STEM Camp
Chair Design Challenge		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>								45-60	7th+	SC.MS.1.1, SC.MS.1.3, SC.HS.1.4, MA.7.G.A	STEM Camp, Force
Evaporative Cooling Games			<input checked="" type="checkbox"/>									30-45	K+	SC.K.1.2, SC.K.3.1, SC.MS.1.6	STEM Camp
Make a Sundial		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									15-30	5th+	SC.1.1.1, SC.K.3.1	STEM Camp
Build a Rover		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>								variable	7th+	SC.MS.1.4	STEM Camp
Design a Rover Track		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>								variable	7th+	SC.MS.1.1, MA.7.G.A	STEM Camp
Program Rover and Conduct Missions		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>								variable	7th+	SC.MS.1.1, MA.7.G.A	STEM Camp
Making Shoe Impressions		<input checked="" type="checkbox"/>										75-90 (15)	1st+	SC.K.1.1	STEM Camp
Blood Typing		<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>							30-45	4th+	SC.HS.2.1, SC.HS.2.8	STEM Camp
DNA Electrophoresis		<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>							15-20	4th+	SC.MS.1.4, SC.HS.1.12, SC.HS.2.1, SC.HS.2.8	STEM Camp
Solving a Pirate's Forensic Clues		<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>							15-30	5th+	SC.5.1.2, SC.MS.2.1	STEM Camp

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Exploring the Outdoors with Geocaching		<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>						75-90	5th+	SC.4.3.3	STEM Camp
Make a Treasure Hunt		<input checked="" type="checkbox"/>							<input checked="" type="checkbox"/>			60-75	3rd+	SC.P.1.1, SC.P.3.1, SC.4.3.3	STEM Camp
Sponge Game Relay Race		<input checked="" type="checkbox"/>										15-20	3rd+	SC.K.1.1	STEM Camp
What in the World Are Polymers?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										15-25	2nd+	SC.P.1.1, SC.2.1.1, SC.MS.1.1	STEM Camp
Squishy Circuits		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>			90-180	7th+	SC.3.1.2, SC.MS.1.4, SC.HS.1.1, SC.HS.1.5	STEM Camp
Glow Games		<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>							15-95	7th+	SC.MS.2.5	STEM Camp
Exploring Seasons					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						30-60	K+	SC.P.3.2, SC.1.3.1, SC.3.3.1, SC.MS.3.1-3.2	
Get OUTSIDE Scavenger Hunt						<input checked="" type="checkbox"/>						10-15	K+	SC.P.1.1, SC.P.3.1	
Healthy Water, Healthy People					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						20-30	4th+	SC.P.2.2, SC.K.2.1, SC.2.3.2, SC.MS.2.5-2.7, SC.MS.2.12, SC.HS.2.6, SC.HS.3.6, SC.HS.3.9, SC.HS.3.11	
Meet a Tree						<input checked="" type="checkbox"/>						15-20	4th+	SC.4.2.1, SC.5.1.4, SC.MS.2.10	
Plant Duplication					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						15-20	1st+	SC.1.2.1, SC.MS.2.2-2.3, SC.MS.2.8, SC.MS.2.10	
Sound Mapping						<input checked="" type="checkbox"/>						15-30	K+	SC.1.1.1, SC.1.2.1	
Tracing the Shadows of the Sun					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						20 - all day	K+	SC.P.3.2, SC.K.1.2, SC.MS.3.1-3.2	
Exploring Seeds			<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						45-60	K+	SC.1.2.1-2.2, SC.2.2.1, SC.MS.2.2	
Seed Dissection					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						45-60	2nd+	SC.2.2.1, SC.MS.2.2, SC.MS.2.8, SC.MS.2.10	
Experimenting with Seed Dispersal					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						45-60	4th+	SC.2.2.1, SC.MS.2.2, SC.MS.2.5, SC.MS.2.7-2.8, SC.MS.2.12	
Exploring Soil					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						45-60	K+	SC.K.2.1, SC.K.3.1, SC.K.3.2, SC.MS.2.3, SC.MS.2.5-2.6	
Exploring Plant Parts					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						45-60	K+	SC.K.2.1, SC.K.3.1-3.2, SC.MS.2.3, SC.MS.2.6	
Plant Part Functions					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						45-60	2nd+	SC.2.2.1-2.2, SC.MS.2.3, SC.MS.2.6	
Plant Adaptations					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						45-60	4th+	SC.4.2.1, SC.MS.2.3, SC.MS.2.5-2.8, SC.MS.2.10, SC.MS.2.12	
Plants in the Garden- Inside and Out					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						45-60	K+	SC.K.2.1, SC.1.2.1-2.2, SC.K.3.1, SC.MS.2.2-2.3, SC.MS.2.8	
Investigating the Life Cycle of a Plant					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						45-60	2nd+	SC.1.2.1-2.2, SC.2.2.1-2.2, SC.MS.2.2, SC.MS.2.6-2.8	

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Patterns in Plant Growth					☑	☑						45-60	1st+	SC.1.2.1-2.2, SC.2.2.1, SC.MS.2.2-2.3, SC.MS.2.5-2.7, SC.MS.2.12	
Soil Testing	☑	☑			☑	☑						30-45 (20)	4th+	SC.5.2.1-2.2, SC.MS.2.5-2.7	
Gold Panning						☑		☑				15-30	4th+	SC.5.1.1, SC.MS.1.2	
Dirty Comet			☑									15-30	4th+	SC.5.3.2, SC.MS.1.4, SC.MS.2.12, SC.MS.3.6, SC.MS.3.10	
Decision Lake					☑	☑						30-60	4th+	SC.MS.2.5-2.7, SC.MS.2.12, SC.MS.3.6, SC.MS.3.10, SC.HS.2.6, SC.HS.2.12-2.13, SC.HS.3.6, SC.HS.3.9, SC.HS.3.11	
Mitigating Water Pollution					☑	☑						20-45	4th+	SC.4.1.4, SC.4.1.7, SC.4.3.4-3.5, SC.MS.2.7, SC.MS.2.12, SC.MS.3.6, SC.MS.3.10, SC.HS.2.6, SC.HS.2.12-2.13, SC.HS.3.6, SC.HS.3.9, SC.HS.3.11	
Paper Airplanes (or 3D-Printed Airplanes)		☑	☑	☑								30-60 (30)	2nd+	SC.K.3.2, SC.2.1.1, SC.3.1.2, SC.4.1.4, SC.HS.1.4	Forces Unit
Build a Bridge		☑	☑	☑				☑				60-120+ (30)	2nd+	SC.K.3.2, SC.2.1.1, SC.3.1.2, SC.4.1.4, SC.MS.1.3, SC.MS.1.5, SC.HS.1.4	Forces Unit
Real Life Math and Finances							☑					30-120	6th+	MA.6.EE.A, MA.7.RP.A, MA.7.EE.B, MA.HS.A-CED.A	Everyday Math
Cooking Math and Budgeting							☑					30-120	6th+	MA.6.EE.A, MA.7.RP.A, MA.7.EE.B, MA.HS.A-CED.A	Everyday Math
Baking Math and Conversions							☑					30-120	6th+	MA.6.NS.A, MA.6.EE.A, MA.7.RP.A, MA.7.EE.B, MA.HS.A-CED.A	Everyday Math
Geology						☑		☑				30-60	4th+	SC.MS.2.9, SC.MS.3.3, SC.MS.3.5, SC.HS.2.6, SC.HS.3.3-3.4	
Cup Stacking		☑	☑	☑									4th+		
Geocaching		☑				☑	☑			☑		30-60	4th+		
Geocaching + Mapping		☑				☑	☑				☑	45-90	6th+		