

Colorado Outdoor Recreational Leadership Course Scope and Sequence

Course Name	Mountain Orientation		Course Details	Level 3 course in the Outdoor Recreational Leadership Pathway.
			Course = 0.50 Carnegie Unit Credit	Prerequisite: Leave No Trace?
Course Description	This course emphasizes camp and travel skills within a mountain environment as a self-contained group. Areas of study include backpacking skills, safety procedures, ecology, geology, geography, safe and efficient travel. Leave No Trace Principles and group dynamics			
Note:	This is a suggested scope and sequence for the course content. The content will work with any textbook or instructional resource. If locally adapted, make sure all essential knowledge and skills are covered.			
SCED Identification #		Schedule calculation based on 60% of a semester instructional time. Scope and sequence allows for additional time for guest speakers, student presentations, field trips, remediation, or other content topics.		
All courses taught in an approved CTE program must include Essential Skills embedded into the course content. The Essential Skills Framework for this course can be found at https://www.cde.state.co.us/standardsandinstruction/essentialskills				
Unit Number, Title and Brief Description	CTE or Academic Standard Alignment	Competency / Performance Indicator	Outcome / Measurement	CTSO Integration
Unit 1: Expectations of Backcountry Traveler	Awareness of personal strengths and limitations. Care of Self and Group	Assess one's ability and limitations in camp and travel techniques for mountain environments. Demonstrate ability to maintain and repair personal and group gear.		
Unit 2: Judgment and Decision Making	Hazard Identification Models of Decision Making	Demonstrate sound judgment during mountain travel.		
Unit 3: Communication Strategies	Effective Communication Group Dynamics Feedback	Utilize appropriate communication while in group settings.		
Unit 4: Leave No Trace Practices		Demonstrate appropriate Leave No Trace Practices for mountain environments.		
Unit 5: Risk Management	Group overnight practices Policies and procedures	Demonstrate adherence to risk management policies and procedures in mountain environments		

Unit 6: Mountain Travel Skills	Map and compass skills Route Finding Group Hiking Practices	Demonstrate proficient map reading and route finding skills in mountain environments.		
Unit 7: Camping Techniques		Demonstrate proficient camping techniques for mountain environments.		
Unit 8: Environments		Identify common flora, fauna, and geological features found in mountain environments. Evaluate weather & climate patterns in mountain environments. Recognize current & past cultural uses within mountain environments		

Academic Standards Alignment

Colorado CTE courses are required to integrate academic and essential skills into course content. The following academic standards have been identified as aligned to this course and should be integrated throughout instruction.

[CO CTE Academic Standards Resources](#) (Rubrics, integration strategies, etc)

[CDE Colorado Academic Standards Online](#) (Online standards lookup tool)

Standard 1: Oral Expression and Listening

- Prepared Graduate 1: Collaborate effectively as group members or leaders who listen actively and respectfully; pose thoughtful questions, acknowledge the ideas of others; and contribute ideas to further the group's attainment of an objective.
 - Students develop communication and group dynamics skills through group travel, camping, decision-making activities, risk management practices, and collaborative backcountry experiences in mountain environments.

Standard 2: Reading for All Purposes

- Prepared Graduate 4: Read a wide range of informational texts to build knowledge and to better understand the human experience.
 - Students interpret maps, route information, weather and climate data, safety procedures, risk management protocols, ecological information, and cultural and historical information related to mountain environments.

- Prepared Graduate 5: Understand how language functions in different contexts, command a variety of word-level comprehension, and make effective choices for meaning or style when writing and speaking.
 - Students develop and apply specialized vocabulary related to mountain travel, risk management, group dynamics, navigation, ecology, geology, geography, weather, and outdoor leadership.

Standard 4: Research Inquiry and Design

- Prepared Graduate 10: Gather information from a variety of sources; analyze and evaluate its quality and relevance; and use it ethically to answer complex questions.
 - Students evaluate personal and group capabilities, assess hazards and risks, analyze maps and route information, interpret weather patterns, identify ecological and geological features, and examine historical and cultural uses of mountain environments to make informed decisions during mountain travel.

Note: *Mathematics and Science standards will be added in the future. Visit the [Colorado Academic Standards](#) page for the most current version.*