

Colorado Outdoor Recreational Leadership Course Scope and Sequence

Course Name	Snow Orientation		Course Details	Level 3 course in the Outdoor Recreational Leadership Pathway. Prerequisite: Leave No Trace
			Course = 0.50 Carnegie Unit Credit	
Course Description	Emphasizes camp and travel skills within a winter 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.	Assess one’s abilities and limitations in camp and travel techniques for winter environments.		
	Care of self and group.			
Unit 2: Judgment and decision making	Hazard Identification	Demonstrate sound judgment during winter travel.		
	Models of decision making			
Unit 3: Communication Strategies	Effective Communication	Utilize appropriate communication while in group settings.		
	Group Dynamics			
	Feedback			
Unit 4: Leave No Trace Practices		Demonstrate appropriate Leave No Trace practices for winter environments.		
Unit 5: Risk Management	Group overnight practices	Demonstrate adherence to risk management policies and procedures in winter environments.		
	Policies and Procedures			
Unit 6: Winter Travel Skills	Map and Compass Skills	Demonstrate proficient map reading and route finding skills in winter environments.		
	Route finding			
	Group hiking practices			

Unit 7: Camping Techniques	Campsite selection and set-up Cooking and Kitchen Practices Weather Proofing Animal Considerations	Demonstrate proficient camping techniques for winter environments.		
Unit 8: Natural History	Common Flora and Fauna Geological Feature identification Weather and climate patterns affecting local area.	Identify common flora, fauna, and geological features found in winter environments. Evaluate weather and climate patterns in winter environments.		
Unit 9: Current and past cultural use of area		Recognize current and past cultural uses of winter environments		
Unit 10: Maintenance and repair of personal and group gear	Stove field repair Basic equipment repair	Demonstrate ability to maintain and repair personal and group gear.		

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 experiences in winter backcountry 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 winter environments.
- Prepared Graduate 5: Understand how language functions in different contexts, command a variety of word-learning strategies to assist comprehension, and make effective choices for meaning or style when writing and speaking.
 - Students develop and apply specialized vocabulary related to winter travel, risk management, group dynamics, navigation, ecology, geology, weather, camping techniques, equipment maintenance, 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 and climate patterns, identify ecological and geological features, examine historical and cultural uses of winter environments, and evaluate equipment maintenance and repair options to make informed decisions during winter travel.

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