

Colorado Outdoor Recreational Leadership Course Scope and Sequence

Course Name	River 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 in whitewater river environments as a self-contained group. Areas of study include boat handling 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: RiverTravel Skills	Map and water reading skills	Demonstrate proficient map and water reading skills in river environments.		
	Group spacin			
	Scouting rapids			

Unit 7: Boating Techniques	Oar and paddle raft rigging Oar and paddle raft maneuvering skills Kayak rigging Kayak paddling skills Kayak Rolls	Demonstrate proficient boating techniques in river 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	Boat equipment maintenance 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, boating activities, decision-making exercises, risk management practices, and collaborative experiences in river 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 environment, and cultural and historical information related to river environments.
 - Students interpret maps, river features, water conditions, weather and climate data, safety procedures, risk management information, and cultural and historical information related to river 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 river travel, boating techniques, risk management, group dynamics, navigation, hydrology, ecology, geology, weather, 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 river hazards and risks, analyze maps and water features, interpret weather and climate patterns, identify ecological and geological features, examine historical and cultural uses of river environments, and evaluate equipment maintenance and repair options to make informed decisions during river travel and boating activities.

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