Avalanche Awareness

School Program – BLM Campbell Creek Science Center

This full-day, hands-on program is designed to introduce students to concepts related to avalanche prevention, evaluation, and safety. Students find out about the four factors that contribute to avalanches, measure slope angles using an inclinometer, and learn about terrain and different kinds of snow with an avalanche board. Students also conduct instability tests on the snow pack and learn how to use an avalanche beacon. **Program is best in winter.**

Program Goals	Possible Activities	STEM Skills	Science and Math Standards Addressed
Students will: • Learn the 4 key factors that contribute to avalanche danger. • Understand the basic mechanics of an avalanche. • Identify avalanche terrain and obvious signs of snow instability. • Practice locating a buried avalanche beacon.	• Learn the mechanics of what causes an avalanche with models. • Carry out and record data from a snowpack investigation. • Learn the techniques and practice using avalanche rescue equipment.	Students will: • Use scientific equipment. • Collect data. • Experiment with models.	NGSS- MS-PS3-2, MS-ESS2-4, MS-ESS3-2 AK- [6]SA1.1, [6]SD2.3, [6]SE1.1