



Bobsled Workshop

Next Generation Science Standards
International Society for Technology in Education Standards
Common Core State Standards

Bobsled (Grades: 3-5) **Subjects Covered: Science, STEAM**

The crowd cheers as bobsleds zoom down the ice track! What sets the winner apart? Grab your crash helmet and get ready to ride a bobsled to find out! Students will explore how gravity affects the motion of bobsleds based on mass, observe a pattern and make predictions and understand the difference between mass and volume.

Education Standards

NGSS 3-PS2-2, ISTE: 4c, 6a, 7c, CCSS.ELA-LITERACY.SL.3.1

NGSS 3-PS2-2

Physical Science. Motion and Stability: Forces and Interactions. Students who demonstrate understanding can; Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion.

ISTE 4c

Innovative Designer. Students develop, test and refine prototypes as part of a cyclical design process.

ISTE 6a

Creative Communicator. Students communicate complex ideas clearly and effectively by creating or using a variety of digital objects such as visualizations, models or simulations.

ISTE 7c

Global Collaborator. Students contribute constructively to project teams, assuming various roles and responsibilities to work effectively toward a common goal.

CCSS.ELA-LITERACY.SL.3.1

Language Arts. Speaking and Listening Standards. Comprehension and Collaboration. Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher led) with diverse partners on grade 3 topics and texts, building on others' ideas and expressing their own clearly.