

8th Grade Conceptual Flow

Main Idea: There are three Laws of Motion that identify how and why objects move, when acting on themselves and/or other objects.

District Common Assignment: After collecting data on multiple collisions with an assigned bumper, design a bumper attachment that would reduce impact to a stationary car. Write a proposal to General Motors arguing why your bumper attachment should be included in their future vehicle design.


District Common Assignment Phenomena

Goal 1: Learning Science by Investigating Phenomena

SEPs

DCIs

CCCs



New Equipment

Goal 3: Utilize supplementary equipment to transition into NGSS.

Goal 2: 3 Dimensional Instruction: Students learn DCI by doing practices and utilizing cross-cutting concepts (ways of thinking)

