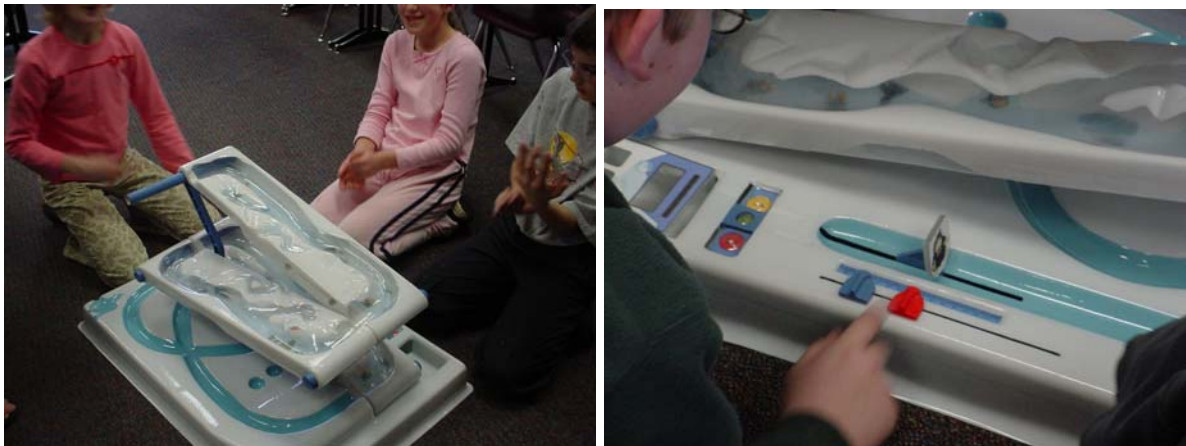


## **Roller Coaster Design**

Isaac Newton's Roller Coaster was created by a group of Industrial Design seniors to allow elementary-school students to engage in hands-on activities to investigate conservation of energy and conservation of momentum. Spherical balls of various weights are rolled from the same height down a track to show they reach the bottom at the same time. These balls then collide with a stationary object, which are repelled to various distances depending on the weight of the rolling balls.



**The Roller Coaster Apparatus**