



# The Maglev Train

## Introduction

Levitating trains, once confined to the realm of science fiction, have become a reality. This activity allows students to observe a small-scale maglev train in their classroom and explore physics concepts such as magnetism, forces and the design process. Students will also be introduced to the phenomenon of superconductivity, which is used by the maglev train to achieve levitation.

Although the start-up cost is quite high, once the train is constructed, the activity can be repeated for little additional cost.