

## Lesson 19 Building an elevator IV

**Objectives:** Students learn to look at an object in a different light and to think about using objects in ways that they were not necessarily designed.

**Materials:** Same materials as previous lesson plus the following:

- ∞ 500 gram weights
- ∞ Switch box wired with 4 AA batteries

**Sponge:** Students look at electric screwdriver and discuss in a group (1) what it is designed to do and (2) how they could use it to make a stronger elevator.

**Initial**

**Discussion:** How is the screwdriver similar to the motors used in the previous lesson? How is it different? Is it stronger? How could it be used in the elevator project?



**Project:** Students build an elevator using the electric screwdriver as the motor. How much weight can the elevator lift without straining the motor?

**Vocabulary:**

**Final**

Discussion: Did using the screwdriver make the elevators able to lift more weight? What other uses can you think of for an electric screwdriver?

Clean up:

Home  
Connection: