

SECTION 5: AIR CAN LIFT

LAB

INTRODUCTION

Air is strong it can lift objects. Air helps parachutes work, helps fly seeds to a new place to grow, and helps helicopters fly.

ASSESSMENT ANCHORS ADDRESSED

- S4.A.2.2** Identify appropriate instruments for a specific task and describe the information the instrument can provide.
- S4.C.1.1** Describe observable physical properties of matter.
- S4.C.3.1** Identify and describe different types of force and motion and the effect of the interaction between force and motion.
- S4.A.3.3** Identify and make observations about patterns that regularly occur and reoccur in nature.
- S4.D.1.2** Identify the types and uses of Earth's resources.

PURPOSE

Students will conduct experiments to find out the strength of air, make and test their own parachute, and study maple seeds.

MATERIALS

For the class:

10 tall plastic jars

11 rubber bands

11 plastic bags

Large bags (1 per student)

*Teacher provides items marked with **

For the teacher:

1 balloon

2 liter plastic soda bottle*

1 quart jar