

# Astonishing Air

## Overview

**Overall Goal: Children engage in trial-and-error investigations that allow them to observe the presence of air and explore its properties.**

Lesson	Objectives	Vocabulary	Key Concepts	Tools
#1: Going on an Air Hunt	Children will investigate two attributes of air: it cannot be seen and it is all around us.	air empty/full invisible over/under	<ul style="list-style-type: none"><li>• Air cannot be seen because it is invisible.</li><li>• Air is all around us.</li><li>• We can observe air by filling an empty bag with air.</li></ul>	plastic bag
#2: Air Takes Up Space	Children will understand that air takes up space.	deflated inflated	<ul style="list-style-type: none"><li>• When something is filled with air, it is inflated.</li><li>• When something is not completely filled with air, it is deflated.</li><li>• When we breathe, air comes in and out of our body through our mouth or nose.</li><li>• We can breathe air in (inhale) and blow air out (exhale).</li></ul>	drinking straw
#3: Air Moves Things	Children will understand that air in motion can move objects.	far/near fast/faster slow/slowly wind	<ul style="list-style-type: none"><li>• Air in motion is called wind.</li><li>• Air can move objects.</li><li>• We can feel air when it moves.</li><li>• Waving an object back and forth can make air move.</li><li>• It takes less wind to move an object that is near.</li></ul>	
#4: Air on the Move	Children will understand that wind moves objects in different directions.	direction pinwheel sail sailboat	<ul style="list-style-type: none"><li>• Wind moves things.</li><li>• Wind can move things in many different directions.</li><li>• We can direct wind.</li></ul>	drinking straw