

## CurriculumVisions Lesson

Students: fill in next to the word answer and return the document for assessment.

### Science

Book: Forces in action (6E)

Pages 20-23

Everything here is based on our Curriculum Visions book Forces in action (6E)

In this segment, we are going to learn about the force of air.

#### Part 1

You will need to go to pages 20-21 of the book. How can air slow an object down? What is this slowing force called?

Answers.....

The air pushes against the object as it moves.

Air resistance

How can air cause lift? What is this slowing force called?

Answers.....

It can push against the ground. Also, if pressure below an object is higher than pressure above an object, the object will rise. This is called lift.

#### Part 2

Go to pages 22-23. Design a fair test to see how far a cotton ball will travel with different amounts of force and at different angles. If your teacher agrees, try it out and describe your results.

Answers will vary.....

Direct students to picture 2 on page 23. You may need to remind them that they can change the angle of the ruler by adding or taking away books. You may also need to remind them to use the markings on the ruler to measure the force, and to use books that are all the same size (or to measure the height

of the stack of books each time). Each angle/height should be tried with 2-3 different amounts of force.

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If you are interested in this topic continue to browse the book and watch our amazing videos. They start right on the book cover.