



Take Off With Airplane Science!

Be Naturally Curious

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Designed for grades K–5 and to be done at home or with small groups, this interactive multi-activity mini-course introduces children to the key physical concepts underlying flight and aircraft design. The mini-course includes a richly illustrated story-based lesson as well as games, activities, and projects that appeal to all types of learners.

The mini-course begins with a story in which fundamental physical concepts, such as Bernoulli's Principle, are introduced. Children are then able to explore what they've learned through a series of simple at-home experiments. Using what they've learned about aircraft design and airflow, children are provided with a paper airplane template, complete with rudder and elevators, and an experimental journal to explore how changes to their design affect the airplane's flight. The relationship between aircraft design and flight is further reinforced through a card game (included in the course) in which the wing shapes of various birds and other animals are examined and linked to types of flight. Finally, several in-flight activities are provided, including an experiment with air pressure (this experiment can also be done with any change in elevation, such as on a mountain road or in an elevator of a tall building.)

Most materials needed to complete the mini-course can be cut from the book itself (or, if preferred, downloaded and printed using an included link). The mini-course requires only a few additional common household items to complete the activities: a Ping-Pong ball, two small paper cups, a penny, two straws, water, blow-dryer (optional), paper, scissors, tape measure, paper clips, two plastic bottles.

Upon completing the mini-course, children will be provided with links to additional online resources and will earn new concept badges for their Science Tool Kit (included in the mini-course)—including air pressure, airfoil, lift, and flight controls.

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Melissa Jackson:

A lot of people always spent their very own free time to vacation or even go to the outside with them family members or their friend. Did you know? Many a lot of people spent they will free time just watching TV, or maybe playing video games all day long. If you would like try to find a new activity here is look different you can read some sort of book. It is really fun to suit your needs. If you enjoy the book which you read you can spent all day every day to reading a e-book. The book Take Off With Airplane Science! it is quite good to read. There are a lot of people who recommended this book. These people were enjoying reading this book. Should you did not have enough space to create this book you can buy the particular e-book. You can m0ore very easily to read this book out of your smart phone. The price is not too costly but this book features high quality.

Jennifer Fields:

Why? Because this Take Off With Airplane Science! is an unordinary book that the inside of the book waiting for you to snap it but latter it will surprise you with the secret the idea inside. Reading this book alongside it was fantastic author who else write the book in such amazing way makes the content on the inside easier to understand, entertaining technique but still convey the meaning completely. So , it is good for you for not hesitating having this any longer or you going to regret it. This phenomenal book will give you a lot of positive aspects than the other book have got such as help improving your skill and your critical thinking approach. So , still want to delay having that book? If I had been you I will go to the guide store hurriedly.

Jessie Davis:

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Vincent Mickens:

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