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Take Off with Airplane Science!

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Reviews

This publication is wonderful. It is amongst the most remarkable pdf i have got read. Its been written in an exceptionally basic way and it is merely after i finished reading through this pdf in which really transformed me, alter the way i really believe. (Shayne Schneider)

TAKE OFF WITH AIRPLANE SCIENCE!



Be Naturally Curious, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand ******. 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...



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