

10 Classic Investigations Reimagined To Teach Kids How Science Really Works

Science is a hands-on subject that kids can really learn by doing. These 10 classic investigations have been reimagined to make them more engaging and effective for kids of all ages.

1. The Magic School Bus: Inside the Human Body

This classic investigation has been updated to include a virtual reality field trip inside the human body. Kids can explore the different organs and systems of the body, and learn how they work together to keep us alive.



Learning Science by Doing Science: 10 Classic Investigations Reimagined to Teach Kids How Science Really Works, Grades 3-8 by Alan Colburn

★★★★☆ 4.6 out of 5

Language : English
File size : 4656 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Word Wise : Enabled
Print length : 207 pages





2. The Great Plant Experiment

This investigation has been redesigned to be more accessible for young learners. Kids can grow their own plants in different conditions, and observe how the plants respond. They can learn about the importance of sunlight, water, and nutrients, and how plants use these resources to grow and thrive.



3. The Sink or Float Experiment

This classic investigation has been updated to include a variety of different objects. Kids can test different objects to see if they sink or float, and learn about the principles of buoyancy. They can also explore the concept of density, and how it affects whether an object will sink or float.



4. The Lava Lamp Experiment

This fun and colourful investigation has been updated to use household materials. Kids can create their own lava lamps using vegetable oil, water, food colouring, and effervescent tablets. They can explore the principles of density and buoyancy, and learn about the different states of matter.



5. The Rainbow in a Jar Experiment

This beautiful investigation has been updated to use sugar water and food colouring. Kids can create their own rainbows in a jar, and learn about the different wavelengths of light. They can also explore the concept of refraction, and how it bends light to create the colours of the rainbow.



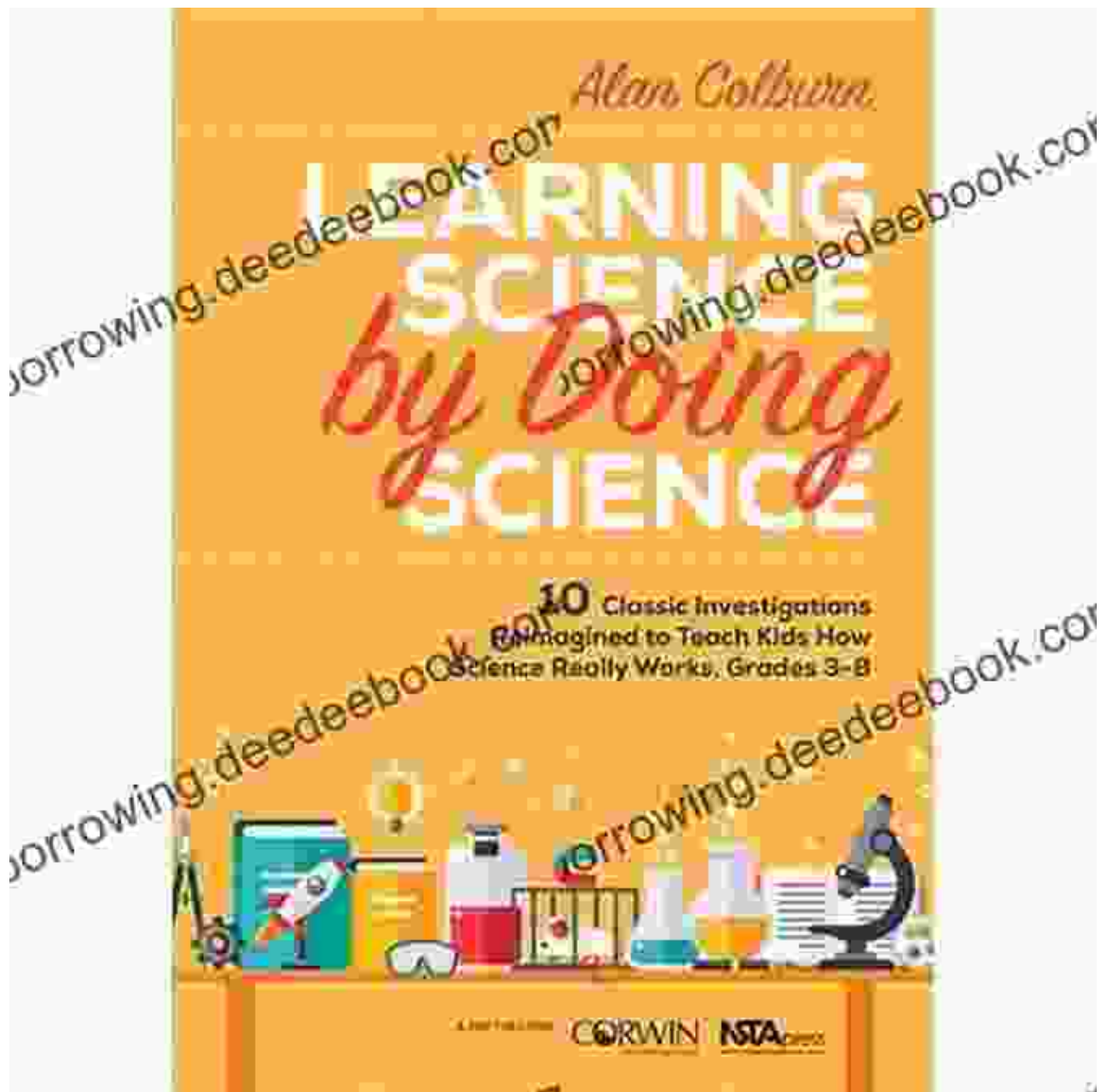
6. The Volcano Experiment

This classic investigation has been updated to use baking soda and vinegar. Kids can create their own volcanoes, and learn about the chemical reaction that causes them to erupt. They can also explore the concepts of gas pressure and density.



7. The Slime Experiment

This gooey and stretchy investigation has been updated to use household materials. Kids can create their own slime using glue, water, and borax. They can explore the properties of slime, and learn about the different types of polymers. They can also experiment with different ingredients to create different types of slime.



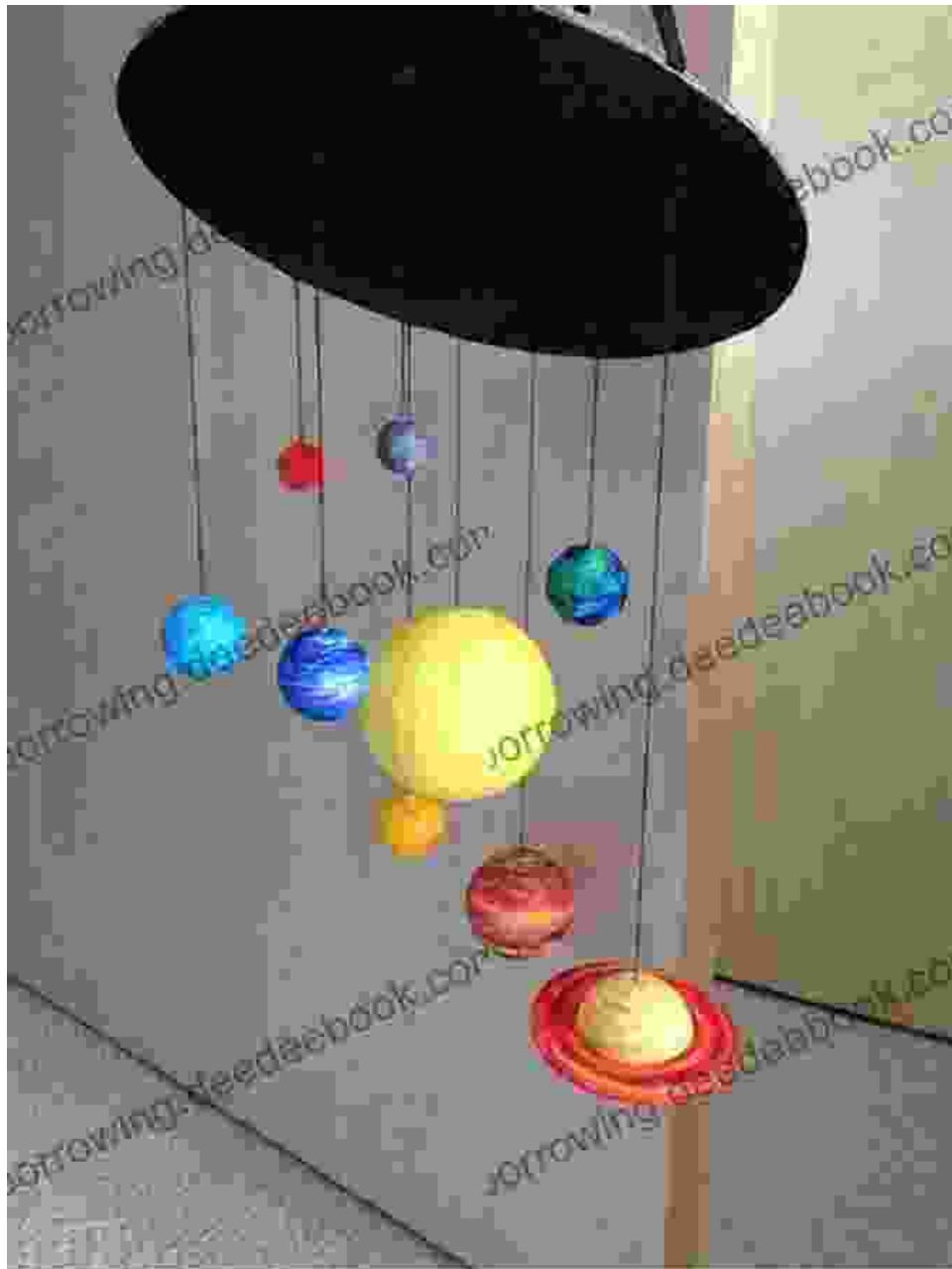
8. The Crystal Garden Experiment

This beautiful investigation has been updated to use Epsom salts and borax. Kids can create their own crystal gardens, and learn about the process of crystallization. They can also explore the different shapes and colours of crystals.



9. The Solar System Mobile Experiment

This fun and educational investigation has been updated to use recycled materials. Kids can create their own solar system mobiles, and learn about the different planets in our solar system. They can also explore the concepts of gravity and motion.



10. The Weather Station Experiment

This important investigation has been updated to include a variety of weather instruments. Kids can create their own weather stations, and learn about the different elements of weather. They can also track the weather over time, and learn about the different types of weather patterns.



These are just a few of the many classic investigations that have been reimagined to teach kids how science really works. By engaging kids in hands-on learning experiences, we can help them develop a lifelong love of science.

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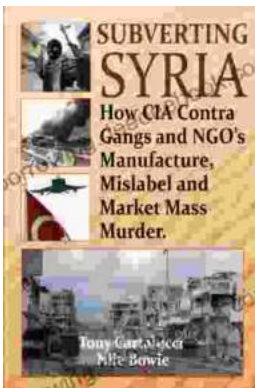
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