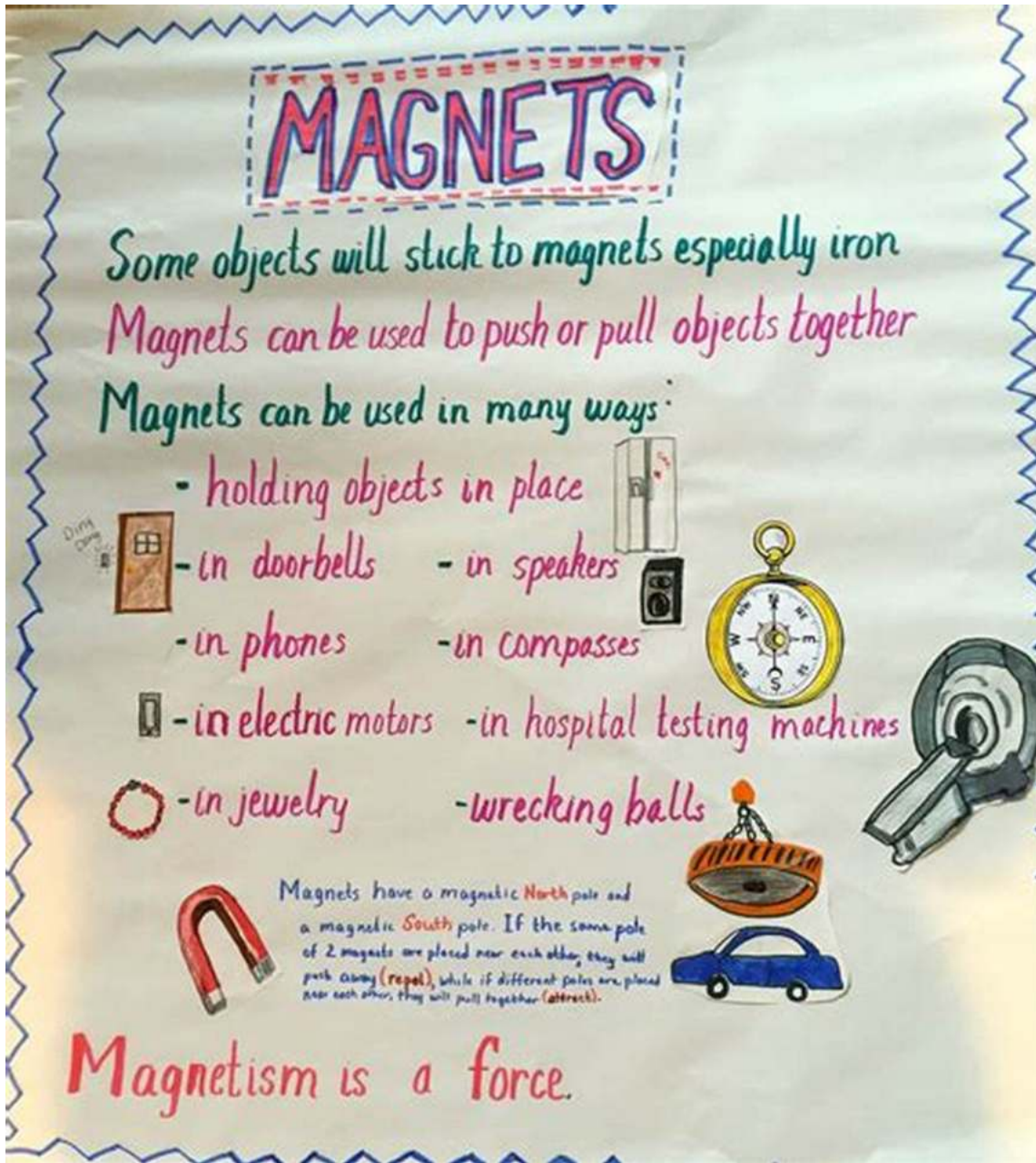


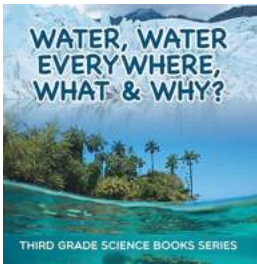
# 10 Fascinating Science Experiments for Third Graders That Will Blow Their Minds!

Science is an exciting subject that can spark curiosity and creativity in young minds. For third-grade students, exploring scientific concepts can be both educational and entertaining. In this article, we will dive into 10 fascinating science experiments specifically designed for third graders. These experiments are simple, safe, and sure to blow their minds! Let's get started!

## 1. Exploring Magnetism: Attract or Repel?



Magnetism is a captivating force, and this experiment will help third graders understand its properties. Collect a variety of objects such as paper clips, coins, and small toys made of different materials. Then, using magnets, guide your child to predict which objects will be attracted and which ones will be repelled. This hands-on activity will provide a practical understanding of magnetism in a fun and interactive way.



## Water, Water Everywhere, What & Why? : Third Grade Science Books Series: 3rd Grade Water Books for Kids (Children's Earth Sciences Books)

by Baby Professor (Kindle Edition)

★★★★☆ 4.4 out of 5

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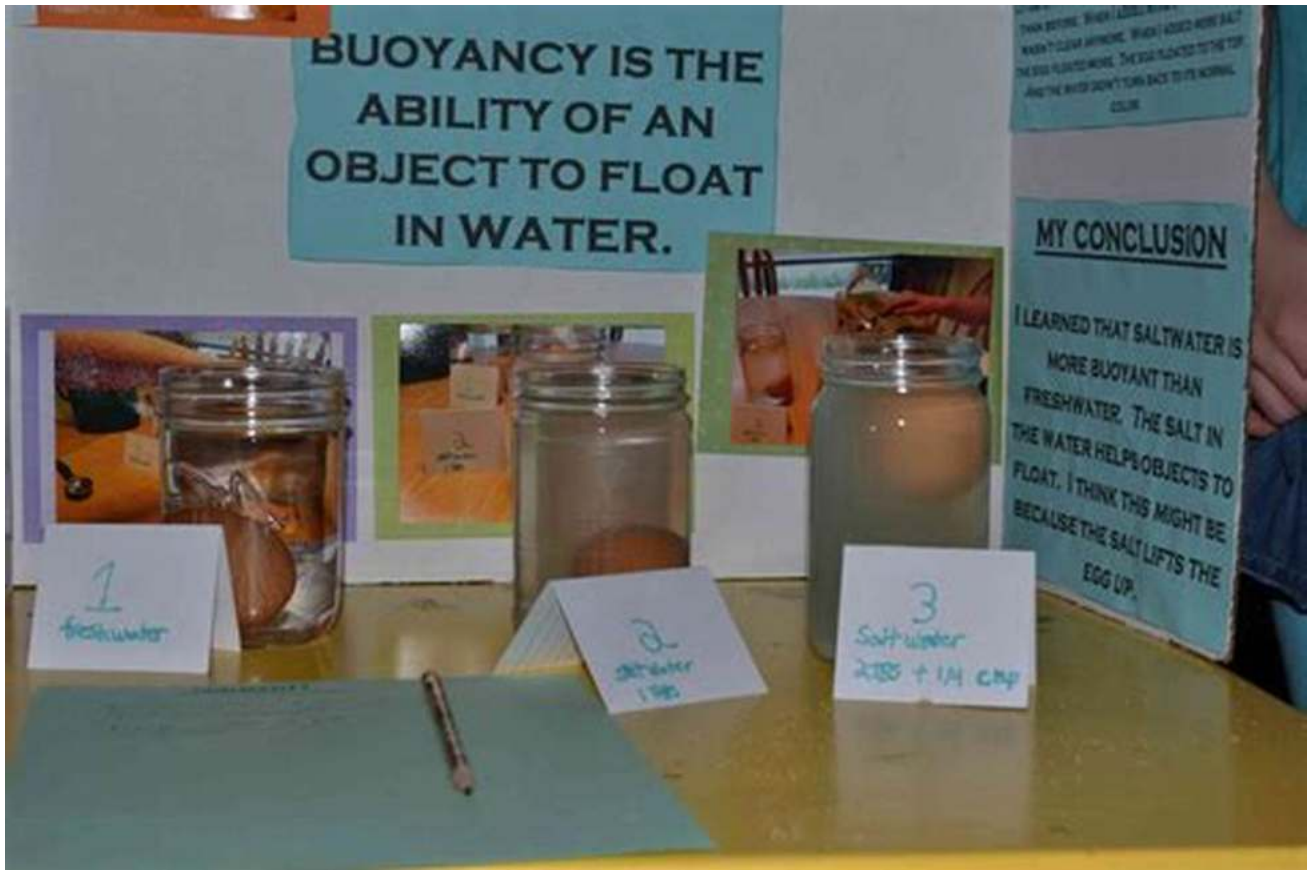


## 2. Rainbow Density Tower: Mixing Colors and Liquids



This colorful experiment combines the principles of density and liquid mixing. Gather various liquids such as water, oil, honey, and syrup. Ask your child to hypothesize which liquid is more dense and why. Then, carefully pour each liquid, one at a time, into a transparent container, creating layers of different densities. Witness the mesmerizing rainbow density tower form right before your eyes!

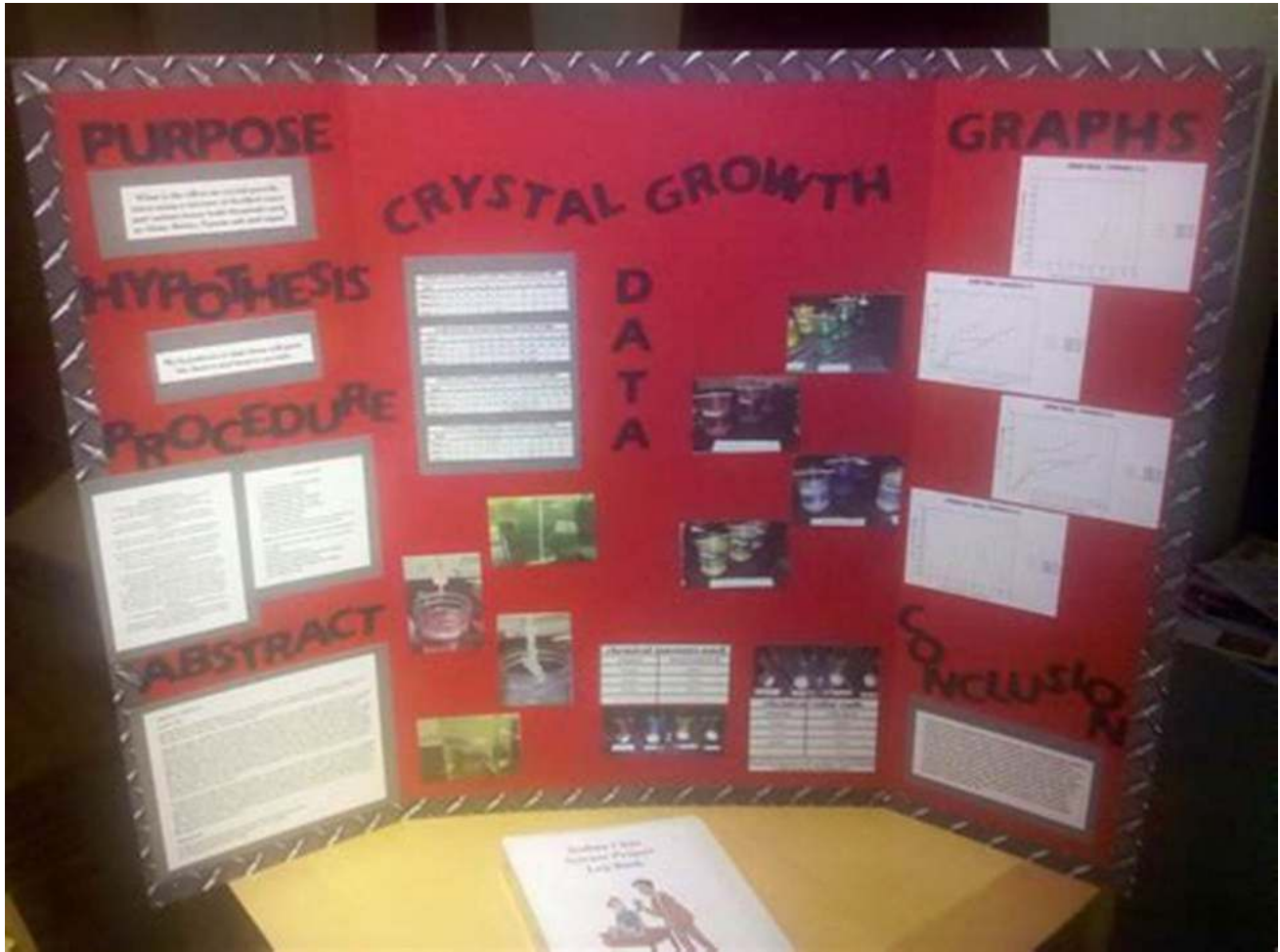
### **3. Egg-cellent Floating Experiment: Density and Buoyancy**



Introduce the concepts of density and buoyancy with this egg-citing experiment. Fill three containers with water, saltwater, and sugar water. Encourage your child to predict which liquid will cause an egg to float and record their hypothesis. Gently place an egg into each container and observe the results. Discuss why some liquids make the egg float while others make it sink. This engaging experiment teaches vital scientific lessons while having some egg-celent fun!

#### **4. The Magic of Growing Crystals: Saturation and Supersaturation**





Take your child on a magical journey through crystal formation. Purchase a crystal growing kit or create a homemade solution using salt, water, and food coloring. Follow the provided instructions to initiate the crystal growth process. As the crystals develop, explain the science behind saturation and supersaturation. Witness the awe on your child's face as they watch beautiful crystals emerge!

## 5. Wacky Water Cycle: Evaporation and Condensation



Teach the water cycle in a fun and wacky way! Place a bowl of water under direct sunlight and let your child observe it over the course of a day. Discuss the changes observed, such as evaporation and condensation. To add an element of creativity, encourage your child to draw the different stages of the water cycle and explain the significance of each. This experiment connects scientific concepts to the world around us.

## 6. Volcano Eruption: Chemical Reactions in Action



Ignite your child's interest in chemistry by creating a volcanic eruption! Using everyday items like baking soda, vinegar, and a small bottle, construct a volcano shape. Explain how the chemical reaction between baking soda and vinegar produces a gas that causes the eruption. Add food coloring to the mixture for a visually stunning effect. This experiment will stimulate your child's scientific curiosity and leave them craving more knowledge!

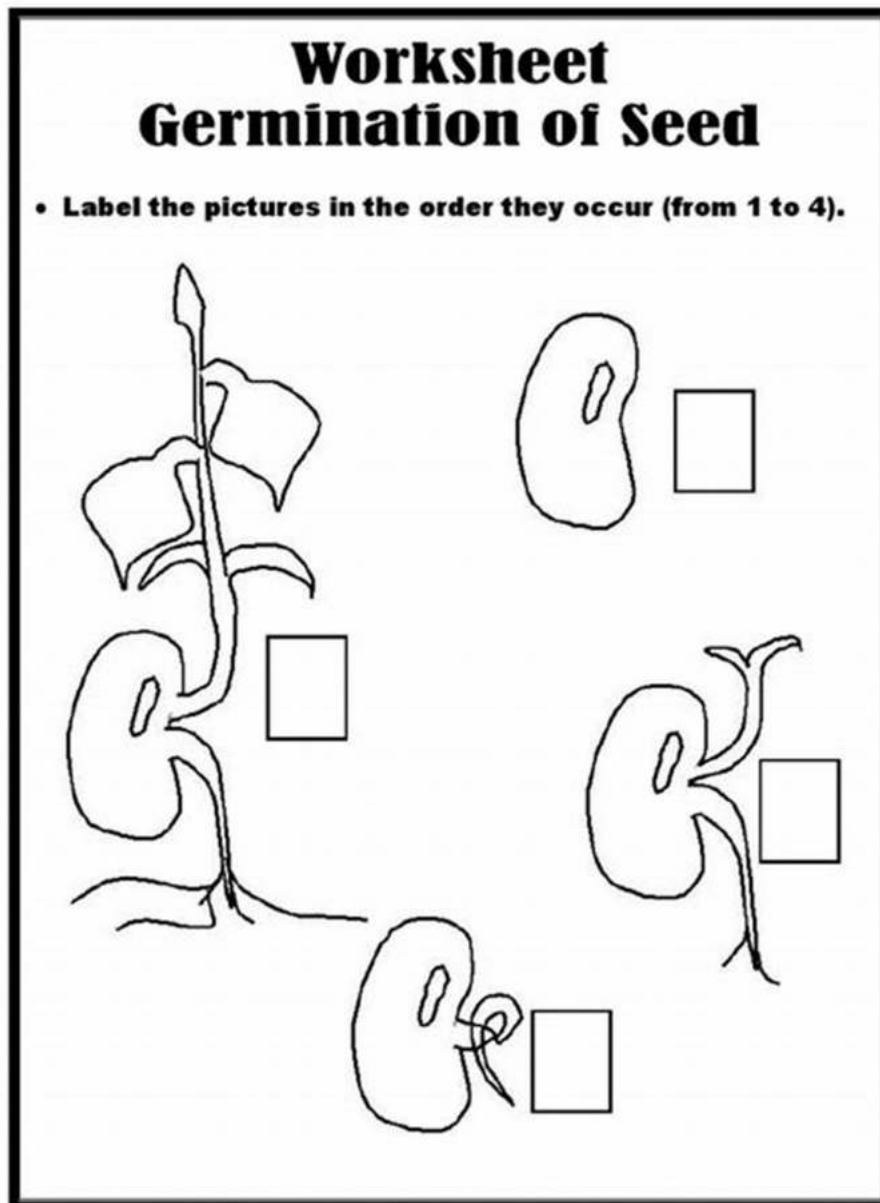


## 7. Sound Vibrations: Making Music with Homemade Instruments



Unleash your child's inner musician while exploring the science of sound vibrations. Help your child construct musical instruments using household items. Examples include a rubber band guitar, a water glass xylophone, or a straw flute. Encourage your child to experiment with different materials and adjust the instruments to create various sounds. This hands-on activity combines creativity with scientific discovery.

## 8. Seed Germination: Witnessing New Life



Allow your child to witness the miracle of life by germinating seeds. Provide different types of seeds, such as beans, sunflower, or pumpkin. Let your child plant the seeds in separate containers and place them in different environments. Observe the growth process closely, discussing the importance of water, sunlight, and soil in seed germination. This experiment is not only educational but also encourages responsibility and patience.

## 9. Static Electricity: Hair-Raising Fun

### Static Electricity

Have you ever touched the car door handle or another person and got a **SHOCK**? This happens because an invisible electrical charge can build up in objects when they rub together. This energy builds up to such a degree that it needs to be discharged. Another example of static electricity being discharged is lightning.

Aim: to investigate Static Electricity.

You will need: 2 plastic pens, 1 wooden ruler, 1 piece of string, some sticky tape, a ball of wool, a static electricity recording sheet, a static electricity worksheet, a grey lead pencil to fill in the sheet

What to do:

1. Pull two desks apart and tape one side of the ruler to one desk and the other side to the other desk to make a bridge.
2. Tie one end of the string around the ruler and the other end around a pen. The pen should not be touching either desk.

Read step 3 and predict what you think will happen beforehand.

3. Hold the other pen and bring it towards the one on the string. Record on the sheet what happens.

Read step 4 and predict what you think will happen beforehand.

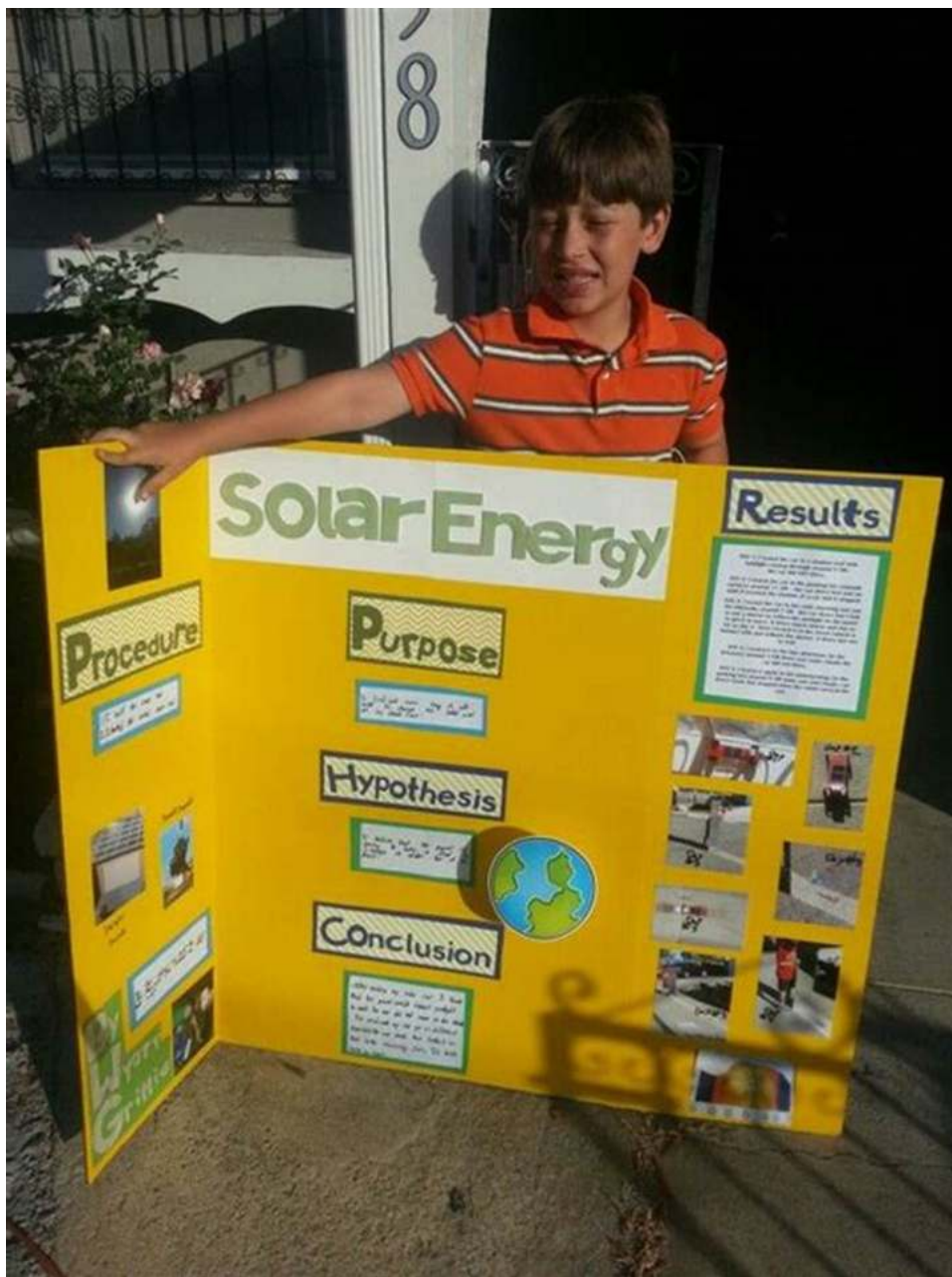
4. Now rub this loose pen vigorously on the wool. Bring it towards the pen on the string and record what happens on the sheet.
5. Gently roll the loose pen between the palms of your hands a few times. This is discharging the electricity. The electricity is now flowing through your body but because the charge is only small you cannot feel it.

Read step 6 and predict what you think will happen beforehand.

6. Bring the pen near the one on the string and record what happens.
7. Charge both pens by rubbing them vigorously on the wool.

Get ready for some hair-raising fun while exploring the effects of static electricity. Rub a balloon against your child's hair or a piece of fabric vigorously. Observe how the balloon attracts small objects like paper bits or confetti. Explain the science behind static electricity and encourage your child to try different materials for different outcomes. This experiment will electrify their curiosity!

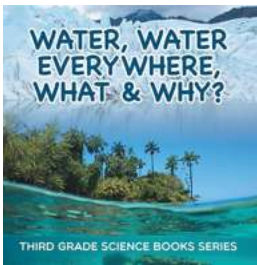
## 10. Solar-Powered Cooking: Harnessing the Sun's Energy



Introduce the concept of renewable energy with a solar-powered cooking experiment. Using a simple solar oven made from a shoebox, aluminum foil, and plastic wrap, encourage your child to cook a snack under direct sunlight. Discuss how the sun's energy is harnessed and transformed into heat for cooking food. This eco-friendly experiment promotes sustainability and showcases the endless possibilities of renewable resources.



Third grade science experiments have the power to ignite a lifelong passion for learning. By engaging children with hands-on activities that combine education and entertainment, we can create an environment where curiosity thrives. The 10 experiments outlined in this article cover a range of scientific concepts, from magnetism and density to chemical reactions and renewable energy. So gather your materials, set aside some time, and embark on an exciting journey of scientific discovery with your third grader!



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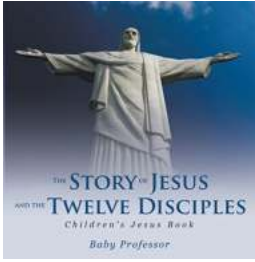
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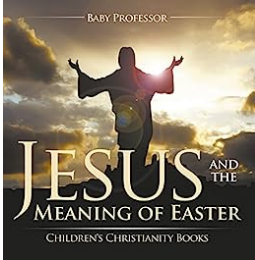


Complement your child's official textbook with this attractive piece of educational material. This book is complete with pictures and as few texts as possible. This would allow for a universal understanding of the concepts presented therein. The fluid flow of thoughts, along with supporting images will make learning a fun experience for your children. Grab a copy today!



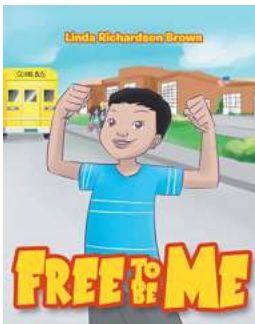
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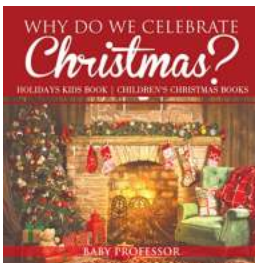
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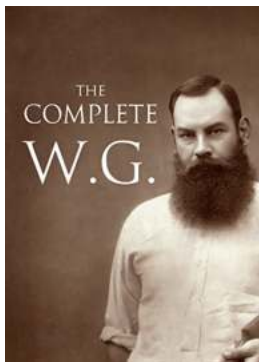
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December  
Holidays From  
Around The  
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Around The  
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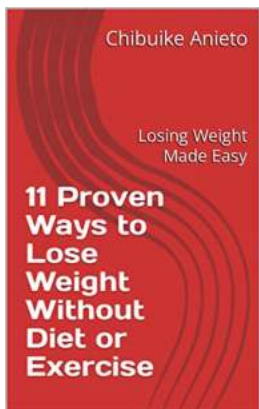
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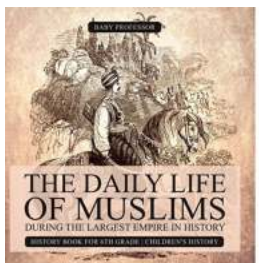
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