



Science Center



SCIENCE CENTER

Offering an abundance of opportunities for tactile discovery, the science center is a hub of hands-on learning experiences. From conducting simple experiments to observing natural phenomena through magnification, children develop keen observation skills, formulate hypotheses, and draw conclusions based on their findings. Through exploration, interactive activities, and guided investigations, children gain insights into scientific principles such as cause and effect and the properties of various materials.



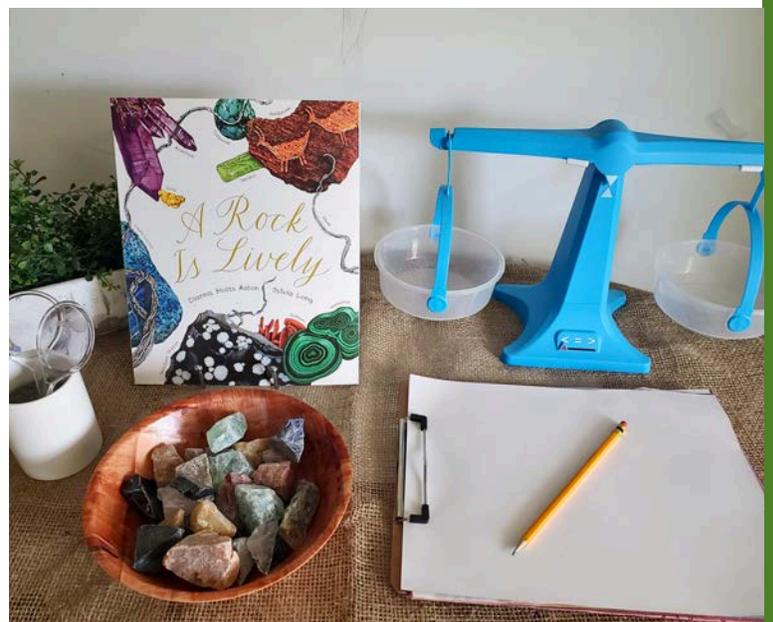
Above all, the science center serves as a nurturing environment where children's innate curiosity is celebrated and cultivated. By fostering a culture of inquiry, encouraging open-ended questions, and providing ample opportunities for exploration, teacher help to instill in children a lifelong passion for learning and a deep-seated curiosity about the world around them. Through their adventures in the science center, children develop a sense of wonder, a thirst for knowledge, and the confidence to pursue their inquiries independently.



Provide Open-Ended Tools: Stock the science center with versatile, open-ended tools such as tweezers, scales, magnets, and magnifying glasses. These tools encourage children to explore and experiment freely, fostering a deeper understanding of scientific concepts through hands-on investigation.

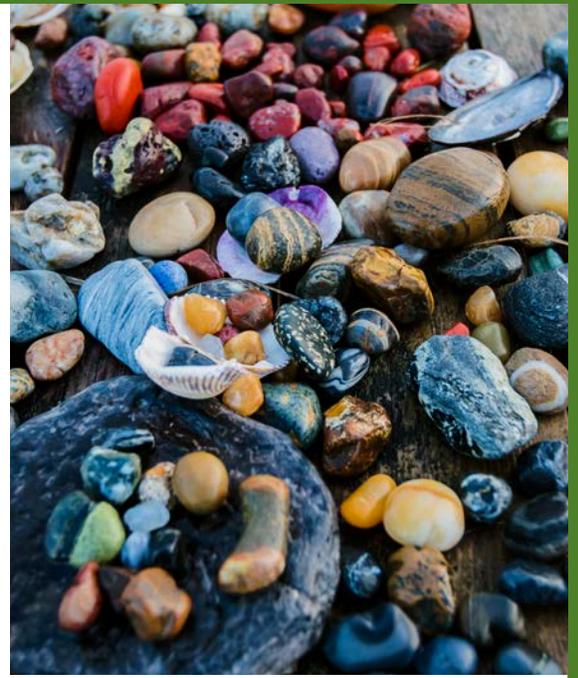
Create an Inviting Space: Design the science center to be cozy and inviting with comfortable seating and plenty of natural light. Use neutral colors and natural materials for furniture and storage to create a calm, focused environment. Arrange the space to allow for easy access to materials, encouraging independence and self-directed exploration.

Present with Provocations: Consider an arrangement of materials you may present upon morning arrival. Provocations are open-ended experiences that are meant to provoke curiosity and engagement. This can be a great way to inspire children to enter the space and engage in exploration and play



20 Materials to Support Science Exploration

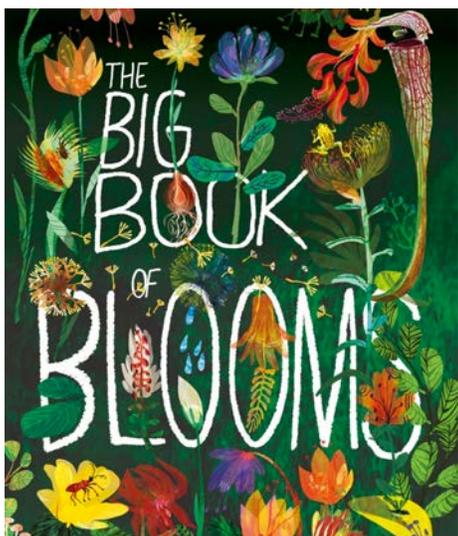
1. Magnifying glasses
2. Microscopes
3. Thermometers
4. Measuring cups and spoons
5. Test tubes
6. Petri dishes
7. Magnet sets
8. Binoculars
9. Compasses
10. Plant identification guides
11. Butterfly nets
12. Bird watching field guides
13. Animal figurines
14. Sensory table with sand, water, soil, etc.
15. Balloons (for studying air pressure)
16. Bubble solution and wands
17. Flashlights
18. Solar system model kit
19. Pet: Hermit crab, fish, ant farm
20. Natural materials: Rocks, minerals, seeds, shells, leaves, pinecones, sticks, dried flowers, etc.



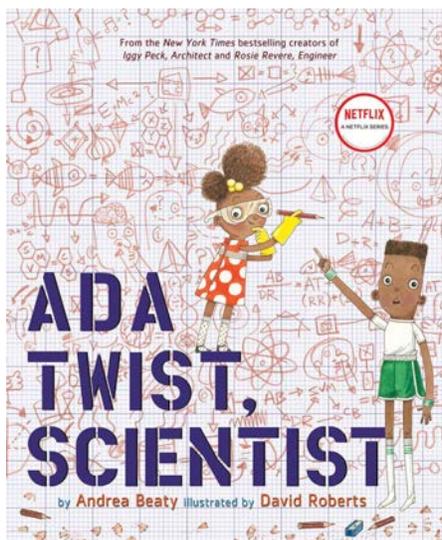
Science Themed Books

Exploring science benefits children by nurturing their curiosity and fostering critical thinking skills. Through hands-on experimentation and observation, children learn to ask questions, make predictions, and analyze results, developing a deeper understanding of the world around them while honing problem-solving abilities. This not only encourages a lifelong love of learning but also prepares them to tackle future challenges with confidence and ingenuity.

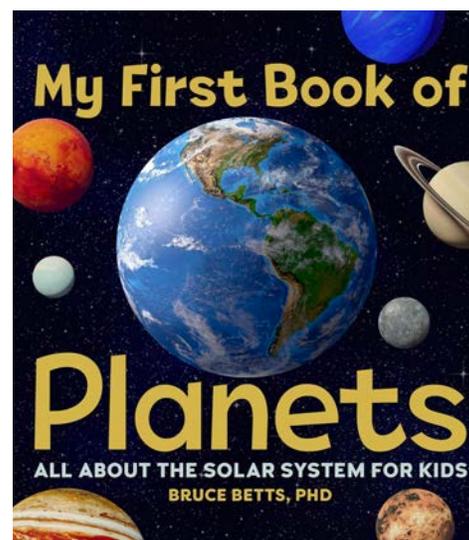
Books We Love That Support Scientific Concepts:



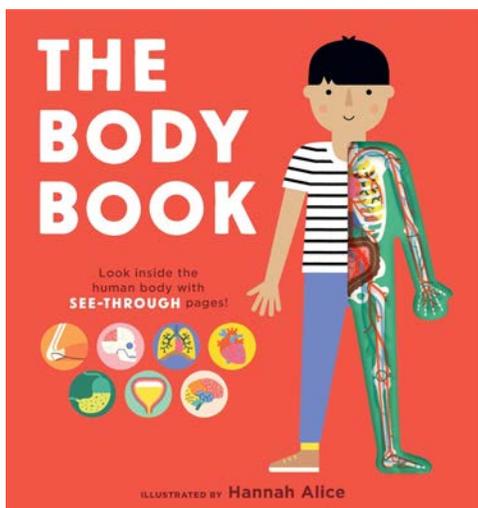
The Big Book of Blooms
by Yuval Zommer



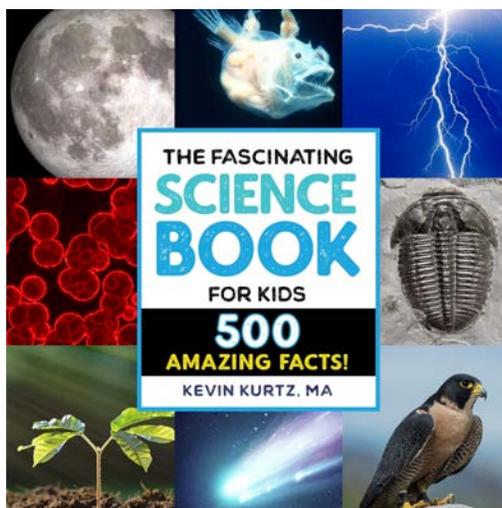
Ada Twist, Scientist
by Andrea Beaty



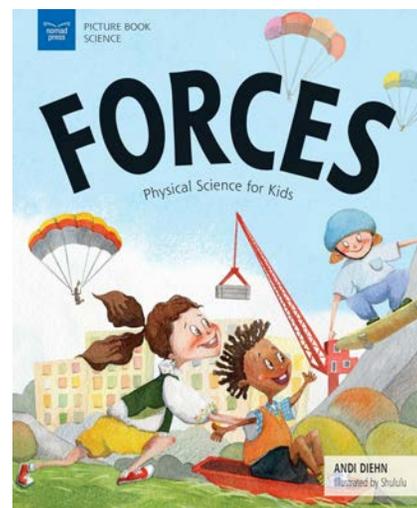
My First Book of Planets,
by Bruce Betts, PHD



The Body Book,
by Hannah Alice



**The Fascinating Science Book
for Kids (500 Amazing Facts!)**
by Kevin Kurtz, MA



**Forces, Physical Science
for Kids**
by Andi Diehn