



Our programs spark interest and excitement toward understanding scientific content and knowledge through reasoning, reflection, tools, and language. All programs are “hands-on, minds-on” and focus on the North Carolina Essential Standard of learning science as inquiry. We offer the following programs for children in grades K-5. **Please call 828-697-8333 for pricing.**

### **Airplanes, Rockets, and Catapults**

Students learn about how airplanes, rockets, and catapults function, what they're used for, and how to engineer their own!

*Essential Standards Addressed: K.P.1, 1.P.1, 3.P.1, 3.P.3, 5.P.1*

### **Budding Artists**

Inspire young artists to create art using different materials such as marbles, shaving cream, plants, and more, while learning about the science behind light and color mixing!

*Essential Standards Addressed: K.V.1, K.V.2, K.V.3, 1.P.1, 1.V.1, 1.V.3, 2.V.1, 2.V.2, 2.V.3, 3.V.1, 3.V.2, 3.V.3, 4.P.3, 4.V.1, 4.V.2, 4.V.3, 5.V.1, 5.V.2, 5.V.3*

### **Crazy Chemistry**

Learn the fundamental definition of chemistry and engage children with measuring, mixing & concocting! Children will love learning chemistry and taking their creation home.

*Essential Standards Addressed: 3.P.2.1, 3.P.2.2, 3.9.2.3, 3.P.3.1, 3.P.3.2*

### **Geology Rocks: Part 1 Rocks & Minerals**

Investigate the world beneath our feet. Learn how to identify rocks, minerals, and their properties, while also discovering the rock cycle and the mineral treasures found in North Carolina!

*Essential Standards Addressed: K.P.2, 1.E.2, 4.P.2, 4.E.2*

### **Geology Rocks: Part 2 Earth Formation**

Join us in our second geological series as we travel back in time to learn all about erosion, mountain formation, caves, and fossils!

*Essential Standards Addressed: K.P.2, 1.E.2, 4.P.2, 4.E.2*

### **Liquids!**

Learning about liquids that are more than just water! Students will learn about different kinds of liquids, their densities, and refraction!

*Essential Standards Addressed: K.P.2, 2.P.2, 4.P.3*

### **Pressure, Pressing Down On You!**

This program talks about atmospheric pressures and delivers experiments that show how air pressure affects our daily lives!

*Essential Standards Addressed: K.P.1.1, K.P.1.2, K.E.1.1, 1.P.1.1, 1.P.1.2, 1.P.1.3, 3.P.1, 3.P.2*

### **Shoots and Roots**

Students learn all about the inner workings of plants, their parts, what they need, and how they grow!

*Essential Standards Addressed: K.L.1, 1.E.2, 1.L.1, 1.L.2, 2.L.1, 2.L.2, 3.L.2, 4.L.1, 4.L.2, 5.L.2*

### **States of Matter**

Students will explore the 3 states of matter - Solid, Liquid, & Gas - and all of their properties and will also learn about colloidal suspensions and non-newtonian fluids!

*Essential Standards Addressed: K.P.2, 2.P.2, 3.P.2, 3.P.3, 4.P.2, 5.P.2*

### **Electronics and Robotics**

Inspire young electrical engineers by learning about electrical circuits, insulators, conductor, and even robots!

*Essential Standards Addressed: K.P.1.2, K.P.2.1, 4.P.1.2, 4.P.3.1,*

### **Contact:**

For more information or to book your program, please contact Hunter Johnson, Director of Education, at [hunter@handsonwnc.org](mailto:hunter@handsonwnc.org) or 828-697-8333.