



## Youth Education Sessions

### Program Descriptions

#### **Zipline Investigation**

Learn about the physics behind a zipline including how factors such as gravity, friction and change in mass affect the motion of an object. Participants will use engineering principles to design and test their own mini-zipline through S.T.E.M. exploration.

#### **Introduction to Birding**

Use clues to identify native bird species and learn about their importance to the local ecosystem. Participants will apply these new skills by observing birds while hiking on trails along the Catawba River and comparing species in two different ecosystems.

#### **Human Impacts**

Participants will learn about the impact of humans on the environment from household hazardous waste. This session will explore ways that participants can make a difference in the environment by minimizing their ecological footprint.

#### **Tree Investigation**

Explore the Whitewater Center's forest and learn how to be "Tree Agents" by identifying different species of trees, as well as learning the importance of trees to wildlife and the local ecosystem.

#### **Nature Journaling**

Many scientists around the globe collect scientific data by keeping nature journals. Journaling helps to enhance observation and memory skills and introduces us to secrets of the natural world. Participants will create their own journal and practice new ways of expression through documentation of scientific observations.