

Summer CAMP ADVENTURES

Camp Dates :
July 11-15
July 18-22
July 25-29

Explore career paths with fun, hands-on adventures!

Let's Go Outside: Careers in the "Field"

Instructor: Sarah Kelly

Hands-on experience exploring careers that exist outside of the confines of building walls in the fields of:

- Forestry
- Wildlife
- Geology
- Biology
- Farming
- And More!

The week-long camp includes farm/park visits, and many more hands-on activities including; hiking, canoeing, and how to set up a camp (weather permitting).

Atoms in Motion

Instructor: Walter Pugh

Students will travel to Ashe County businesses including:

- United Chemi Con
- AEV
- BREMCO
- North Fork Electric

Hands-on experience creating:

- Electrical circuits
- Wiring receptacles
- ELEGOO UNO R3 Project
- MakerHawk USB power meter tester
- Raspberry Pi Pico

Students will learn what it takes to keep the power on in Ashe County, fun electricity experiments, and activities for kids of all ages.

3.2.1... "Blastoff" with Rocketry

Instructor: Leeann Cronk

Students will:

- Use rocketry to learn about the engineering design process.
- Design and create water bottle rockets, model rockets and heat ablation shields, and more.
- Use a wind tunnel to create rockets with maximum aerodynamics.
- Participate in a variety of group and individual challenges, such as attempting to reach a specific height, and trying to launch a raw egg and bring it back to earth safely.

The end of the week-long camp will have students reaching for the stars, stepping on the moon, and boarding a life ship of exploration.

**Hands-on
career
insights!**

Looking from Behind the "Lens" of a Videographer

Instructor: Stefan Kunz

We will cover:

- Logistics of shooting video: stable shots, camera's perspective, focus, placement of the subject in frame, proper lighting and audio
- Stylistic choices when editing: use of b-roll, voiceovers, adding music, text, and transitions

During the week, students will have opportunities to:

- Work on several video projects of their choice, including promotional videos for local businesses, short films, music videos, local news pieces, and short documentaries.
- Plan out our projects, film the shots we need, and then edit it all together.

Provided equipment: tripods, microphones, and video editing software. Students will film using their smartphones. If a student does not have a smartphone but would like to participate, please contact Stefan Kunz at stefan.kunz@ashe.k12.nc.us. At the end of the video production camp, students will have created and edited high-quality video content using a smartphone and explored career pathways involving audio and video production.

Just for the Health of it

Instructor: Jennifer Treva

Students will meet:

- CNA/PCA/Medical Assistant/Phlebotomy
- Radiography/Pharmacy Tech/Dental assistant
- Therapy- Occupational, Physical, and Respiratory
- Nurse, Physician's Assistant/Physician/Surgeon

Where will we go?

- Hospitals
 - Duke/Baptist
 - Ashe/Watauga
- Colleges/Post-Secondary Education
 - WCC
 - ASU
- Long-term Facilities
 - Forest Ridge
 - Margate
- Speciality Areas
 - Physical/Occupational Therapy
 - Orthopedics

At the end of the camp students will have met medical professionals, experienced college life, and had hands-on experience in the medical field.

**Choose your
own career
path!**

For more information and to sign up for these hands-on adventures, contact Mitchell Reedy at mitchell.reedy@ashe.k12.nc.us or Brandon Bower at brandon.bower@ashe.k12.nc.us.
<https://www.asheschools.org/>

STEAM Courses

JUNE 27-JUNE 30, 2022

JUNE 27 8:15AM-12:15PM	Clay, Fire, and Color - Ashe County High School We will create a clay piece and discuss how pottery and science collide. We will also talk about the design process as we work and how design and creativity integrate with science and math.
JUNE 27 8:15AM-12:15PM	It's Electric - Messer Shop Area Learn basic electrical theory, house wiring (light switches, strip wire, change out outlets).
JUNE 27 1:15PM-5:15PM	How to Save a Life - Messer Hall Students will learn how to perform CPR and valuable first aid techniques.
JUNE 28 8:15AM-12:15PM	A Day in a Hair & Nail Salon - WCC Ashe Campus School of Cosmetic Arts Ever thought it might be fun to work in a salon? Come and join us for a fun and informative day in our new, state-of-the-art cosmetology school! Learn about manicures, pedicures, and hair styles... and receive the services too!
JUNE 28 1:15PM-5:15PM	Exploring Your World - Kent Poe Hall Learn about the world outside of Ashe County. Did you know that you can study abroad through Wilkes Community College? See the experience through the eyes of our students!
JUNE 29 8:15AM-12:15PM	Digging in the Dirt - ACHS Horticulture Building Learn how to plant and to take care of your own blooming flower that you may take home at the end of class. Design and plant large containers with blooming plants and foliage.

JUNE 29 1:15PM-5:15PM	Play with Polymers - Kent Poe Hall From bioplastics to gummy worms, explore polymers and the different things we make from them!
JUNE 30 8:15AM-12:15PM	Be a Citizen Scientist - Kent Poe Hall Want to do a science experiment that helps real scientists with real projects! We will do some certified Citizen Science projects and submit the data as we collect it! (Activities will depend on weather; may include such projects as Ant Picnic, EarthEcho Water Challenge.)
JUNE 30 8:15AM-12:15PM	Welding 101 - ACHS Welding Lab This is a brief introductory lesson into the world of welding. Students will have an opportunity to experience industry standards for the cutting, shaping, and welding of various materials. This lesson will cover the basics of what a welding machine is while experiencing live demonstrations, coupled with a short lecture on potential safety risks and concerns, related to the welding shop.

WILKES
COMMUNITY COLLEGE
ASHE CAMPUS
363 Campus Drive
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REGISTRATION AND INFORMATION

- Registration is first-come, first-served beginning May 19 from 2:00 pm until 5:30 pm in Kent Poe Hall, Room 512 (second floor). Any openings left after on-site registration will be filled through in-person registration with Becky Greer, rcgreer213@wilkescc.edu or 336-903-3117.
- The first course is free of charge for each Ashe County rising 6th-8th grade student – all classes after the first cost are \$35 each.
- Transportation nor lunch will be provided – students should arrive at the sessions no more than 15 minutes prior to start time and be picked up no more than 15 minutes after the class ends.