

# FUTURES FORWARD

## SUMMER 2024

AVIATION

WELDING

PUBLIC SAFETY

CARPENTRY

MARINE SCIENCE

ESPORTS

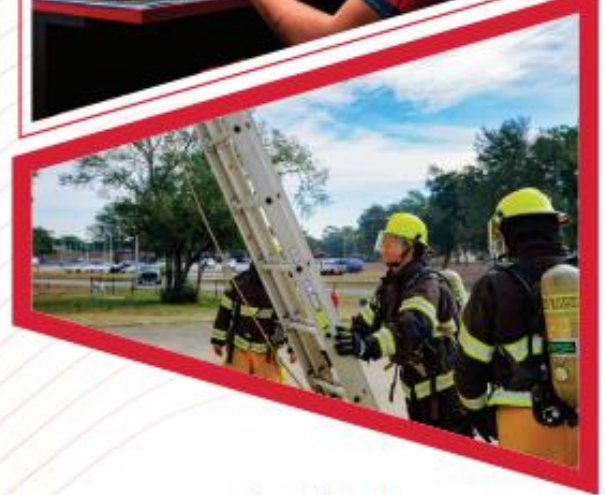
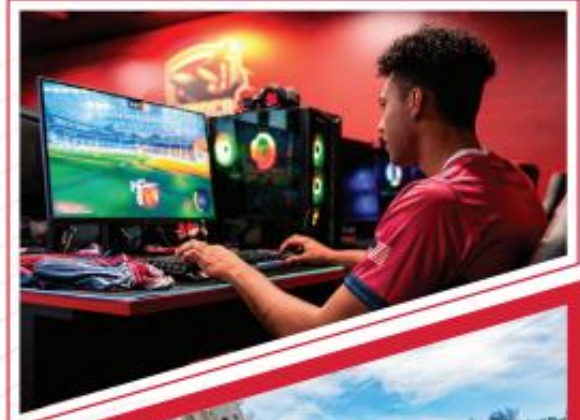
ARTIFICIAL INTELLIGENCE (AI)

CYBERSECURITY

3D PRINTING

SCRUBS CAMP

(includes Nursing, Radiography,  
Medical Lab Technology, and Physical Therapy)



Session 1

**June 10 - 13**

Session 2

**June 17 - 20**

**Sessions are Monday - Thursday**

**9:00 a.m. - 12:00 p.m.**

For 8th through 12th grade students.  
High-impact hands-on training in  
Career & Technical Education fields.

**Limited Spaces Available, Register Today!**

**\$100.00 per camp\***

\*Aviation camp may have an additional cost for discovery flight



[www.nwfsc.edu/k12](http://www.nwfsc.edu/k12)



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# Course Descriptions

## Session One: June 10<sup>th</sup> – 13<sup>th</sup>



### 3D Printing

*Niceville Campus*

What your mind can imagine, a 3D Printer can make! If you want to visualize and create a graphic design using the 3D modeling CAD program and bring your virtual three-dimensional design to life with a 3D printer, then this is the perfect course for you! You will watch your actual digital creation come to life as each layer is laid down. This interactive course will give you the opportunity to gain a deeper understanding of 3D graphic design which can lead to a variety of careers including video game designer, graphic designer, 3D animator, and architectural designer. Build your 3D skills and obtain a great introduction to this fast-growing field of technology and design. You will model and create objects in a 3D design program, learn about the many diverse types of 3D printing, and take home your own 3D printed art.



### Aviation: The Next Generation Takes Flight

*Aviation Center of Excellence, Crestview*

**Please Note:** There may be an additional cost for the optional Discovery flight.

Students will explore a career as a commercial pilot. Students will get the feel of a cockpit and the operations controls of manned and unmanned flight with both a simulation and functional aircraft. Throughout the last few years, while many industries have been showing less availability for positions for recent graduates, the aviation industry has been seeing something quite different. There is a large hiring need for certified flight instructors, pilots, and co-pilots. At the culmination of the course, students will have the option to go up in the air for a discovery flight!



### Cybersecurity

*Niceville Campus*

In this eye-opening course students learn basic cybersecurity skills and receive hands-on experience in implementing the techniques they learn. This course teaches methods to protect resources and privacy by using passwords, email, social media, text messaging, and phone sharing. Students have the opportunity to test out the role of cybersecurity analyst as they learn how to evaluate applications and websites to determine if they safeguard their data. This course includes networking, programming, ethical hacking, and cybersecurity. The class module will include lectures, games, group exercises, and computer-based learning. Students apply what they learn in the course to complete an exciting course challenge.



### Esports: Overwatch 2

*Niceville Campus*

**Please Note Ratings:** ESRB: Teen 13+, PEGI: 12+, Common Sense Media: 13+

Are you interested in attending a game-based summer camp? Students attending this exciting camp will receive Professional Top 500 coaching for Overwatch 2. Overwatch 2 is a critically acclaimed, team-based shooter game set in an optimistic future with an evolving roster of 30+ epic heroes, each with game-changing skills and abilities that you use to complete the mission objectives. You collaborate with your team to complete the mission objectives in every match. The objective of this camp is to teach students:

- Fundamentals of the game
- How to practice
- How to join teams
- Mindset to improve
- Ranking up
- Live personal coaching

Even if you have never played Overwatch 2, you will leave camp with the basic skills to level-up your game!

# Course Descriptions

## Session One: June 10<sup>th</sup> – 13<sup>th</sup> (cont.)



### **Marine Science: Dive into the Underwater World**

*Fort Walton Beach Campus*

In this exciting hands-on course students have the opportunity to explore some of the different realms of marine science. Marine science is divided into oceanography and marine biology. Students will get their feet wet with an introduction to oceanography, ocean exploration, and marine biology. Students will become familiar with sea turtle biology and ecology, cetacean biology, local oyster biology, and fisheries.



### **Public Safety**

*Niceville Campus*

Students will be introduced to Emergency Medical Services, Law Enforcement, and Firefighter concepts and skills. This will include Emergency medical interventions, Law Enforcement tactics, and Firefighting methods. Our desire is to provide the students with a broad overview of different aspects of each discipline that is offered through the Northwest Florida Public Safety Training Center. Students will also participate in activities that are common to the public safety and first responders' field, including, but not limited to, Emergency Medical Services lab activities; Law Enforcement Defensive Tactical activities, Firefighting training activities, all with the use of training gear and equipment. Students will experience the exciting and very rewarding in-depth session to learn if public safety and serving their community is in their future!



### **Scrubs**

**(Includes Nursing, Radiography, Medical Lab Technology, and Physical Therapy)**

*Fort Walton Beach Campus*

Do you want to make a difference in people's lives? Are you interested in a career in Health Sciences? Then we need you to join us for Scrubs Camp! Students attending this camp will engage in hands-on learning experiences, and upon completion will have a better understanding of how multiple healthcare professionals engage with a patient to make their life better. Students learn the role and importance of each member of the health care team:

- Explore the critical care provided by Nurses and the role they play in positive patient outcomes.
- See how imaging is collected through Radiography and how it's used as a key diagnostic tool for many diseases.
- Learn how Medical Laboratory Technologists analyze samples and provide results for doctors to identify and treat disease.
- Experience how Physical Therapist Assistants help patients regain strength and independence and improve their quality of life.

Explore the tools and equipment used in each of these healthcare fields. Our desire is for students to expand their knowledge of the health sciences and use this experience as a catalyst for a future career in health care.

# Course Descriptions

## Session One: June 10<sup>th</sup> – 13<sup>th</sup> (cont.)



### Welding: Light ` Em Up Technology

*Niceville Campus*

**Please Note: Students must wear jeans, a natural fiber (cotton) shirt, and all leather boots (preferred) or shoes. No tennis shoes or open toe shoes.**

Students will explore a career in a non-traditional trade and will have the opportunity to obtain hands-on experience welding. Students will learn welding safety and how to prep metal for welding using welding tools including grinders and torches. Then the fun begins! They will learn the basics of MIG (metal inert gas) welding on a steel plate. MIG welding is generally used for large and thick materials. Welding can be a rewarding career that gives you the opportunity to work across a wide range of industries. As a potential future welder, students may choose to work in construction, automotive, aeronautics, manufacturing, shipping and much more. Our desire is for students to expand their knowledge of welding and the opportunities that await them in this exciting session!

# Course Descriptions

## Session Two: June 17<sup>th</sup> – 20<sup>th</sup>



### 3D Printing

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### Artificial Intelligence (AI)

*Niceville Campus*

Are you interested in finding out how Artificial Intelligence (AI) is transforming our world? This course introduces you to AI by learning how it works and showcasing some of the amazing things that it can be used to perform. The course includes ethical discussions on the proper use of AI and a glance into the future to see where AI is headed. You will learn to use AI in writing, video creation, web-design, data collection, and programming. This course introduces you to several AI sites that focus on various aspects of AI technology. You will have the opportunity to apply what you learn to create a course project.

# Course Descriptions

## Session Two: June 17<sup>th</sup> – 20<sup>th</sup> (cont.)



### **Carpentry**

*DeFuniak Springs Campus*

Carpenters participate in many different kinds of construction, from the building of highways and bridges to the installation of kitchen cabinets. This course helps prepare students for a career in the building trades through a combination of classroom theory and hands-on experience. Students gain experience using hand tools, portable power tools, and other equipment commonly used in carpentry. At the end of the session, students build a bird house and take home a new tape measure and safety goggles!



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