# Academy of Information Technology (IT)

## Curricula & Content

We offer five NAF-created Information technology courses, including programming, design, and computer systems, along with third-party content to support educators and students. All courses, projects, and resources are available at **learning.naf.org**.

*NAF's courses and content are FREE for NAF academies. Projects are open-access; courses require login.*

**NAF.ORG**

## NAF Courses & Projects

### NAF AI Career Connections   NEW!

https://ash.naf.org/public/learning/course/ai-career-connections

- Free AI fundamentals unit
- Builds academic and professional skills
- No AI experience needed for educators
- Integrates easily into existing curriculum
- Applies to all pathways

### Principles of IT

Fundamentals of hardware, operating systems, software, networks, security, privacy, societal impacts, and career opportunities. (Year 1)

### Computer Systems

Hardware setup, software installation, network connections, and troubleshooting. (Year 1 or 2)

### Graphic Design

Introduction to visual communication, design principles, Adobe Photoshop, and elements like color, typography, and imagery through hands-on projects. (Any year)

### Intro to Programming

Basic Python programming, program design, documentation, debugging, and testing. (Year 2 or 3)

### Web Design

Website creation with HTML, design principles, usability, accessibility, and development tools; includes career exploration. (Year 2 or 3)

### NAF Expeditions

https://ash.naf.org/public/learning/projects/information-technology

Free, career-connected projects combining hands-on learning with career exploration in Computer Vision and Cybersecurity (in collaboration with Verizon), plus Creative Coding, Eco-Tech, and more!

## Resources

**AI Education Project** (aiEDU) – Free courses advancing AI literacy and readiness for students and teachers.

**Cambridge International Education** – Computer science course in computational thinking and programming; exam may earn college credit.

**CODE.org** – Free curricula and professional development for teaching coding, computational thinking, and problem-solving (Intro to AP levels).

**CYBER.org** – Free courses in cybersecurity, coding, networking, and more; includes prep for CompTIA certification exams.

**The Coding School** – Yearlong virtual courses in AI and Quantum Computing, free for participating NAF academies.

**Google Applied Digital Skills** – Free, video-based curriculum to build digital and life skills using Google apps.

BE FUTURE READY