Academy of Engineering

Curricula & Content

NAF's engineering academies utilize curricula from free and pay-for organizations like Project Lead the Way, STEM 101, Paxton/Patterson, and Intelitek. Additional engineering courses, resources, and projects from NAF partners are available on **learning.naf.org**.

Curricula or content with a cost are marked with a , and those requiring professional development with a .

NAF BE FUTURE READY

learn more at **NAF.ORG**

Third-Party Curricula

Project Lead the Way

https://www.pltw.org/our-programs

Offers a 3-4-year curriculum encompassing 2 foundational engineering courses and 7 specializations to customize programs of study.

See how **NAF + PLTW is a recipe for educator engagement and powerful student learning**.

California Educators Together

https://ash.naf.org/public/learning/course/engineering-and-design

A free set of engineering and design courses offering learning opportunities for students interested in pursuing careers in the design and production of visual communications (Create a free account to access the courses).

Intelitek

https://intelitek.com/stem-education/

Provides an easy-to-implement solution for delivering early engagement and discovery of STEM topics for high school students.

Paxton Patterson

http://www.paxtonpatterson.com/stem-education

Offers a capstone program that provides real-world experience of working in an engineering consulting firm.

STEM 101

https://stem101.org/hs/

Represents a blended learning, project-based experience that is accessible from any Web-enabled device.

Projects & Resources

NAF Expeditions

https://ash.naf.org/public/learning/projects/engineering

A series of free career-connected project-based learning experiences that combine hands-on, real-world projects with career exploration and preparation. Topics include Computer Vision, Aerospace, Eco-tech, and more!

FIRST Robotics - A global robotics community where **NAF teams** prepare for the future.

CYBER.ORG - A free course that builds upon foundational concepts of cybersecurity, coding, and robotics in project-driven, hands-on challenges.

Future City High School - Engages students in imagining, researching, designing, and building cities of the future.

LabXchange - Free content that explores science through exploration, bold thinking, collaboration, and endless imagination.