

# THE **acme** NETWORK

## **ACME ENGINEERING FOR TEACHERS**

**ACME** Engineering is a learning community for students, teachers and industry professionals. On **ACME** everyone is a learner and a mentor. Learning engineering design is like unlocking the door to innovation. It teaches how to transform ideas into practical solutions, considering factors like functionality, feasibility, and user experience. Proficiency in this field enables individuals to analyze problems, envision solutions, and refine them for optimal results. Such expertise empowers engineers to shape our world by creating groundbreaking technologies that revolutionize industries and improve daily life. Currently, **ACME** Engineering has been integrated into Middle School and High School Engineering and Manufacturing Design Programs. College students participate as mentors. Plans to extend the program into college are underway, creating a middle school – college career pathway.

## **HOW ACME WORKS IN THE CLASSROOM**

Teachers may choose from one or more projects to integrate into their program. The following are like sequential building blocks that build upon the previous component.

- a** For 7th , 8th or 9 th grade STEM or “Introduction to Design” classes  
**ACME’s 4-week spring project**
  
- a** For 10th grade Principals of engineering classes  
**Sequential 6-week projects in Fall/Spring**
  
- a** For 11th grade Capstone/Advanced Class  
**6-week Aerospace project in Spring**
  
- a** For 11th or 12th grade advanced classes  
**Virtual Internship**

“**ACME** Engineering is a rich professional experience for teachers and invaluable for students.”

High School Teacher



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## ACME PROVIDES

- a** Teachers are provided with the **ACME** curriculum projects, referred to as “**ACME Challenges**”.
- a** New teachers meet with the **ACME** team to review and discuss how to integrate **ACME** into their classroom.
- a** Orientation on the **ACME** platform is provided.
- a** Project and curriculum guidance is provided for teachers through-out the year.
- a** Students work in teams on the projects.
- a** Live mentoring session dates are discussed and 45 minute time slots for Regular Mentoring Sessions are scheduled.
- a** Live sessions occur on Tuesdays, Wednesdays or Thursdays every two weeks.
- a** Student work is critiqued and technical demonstrations are conducted in live sessions.
- a** Throughout the year students post their work to the **ACME** platform to receive peer, Educator and Pro feedback.
- a** Students build Online portfolios.
- a** Students are encouraged to give Online feedback on other students’ work.

