EMPACTS is a college-level adaptation of EAST and became a component of the college level curriculum in 2005.

EMPACTS Faculty use community based projects to increase deeper learning of course content through “real-world” service experiences.

Learners use technology as a tool to solve problems and to publish the products of their learning experience.

Continue your EAST experience at Northwest Arkansas Community College.

SHARE YOUR EAST TECHNOLOGY SKILLS

• Scholarships for EAST Students first year experience

• EMPACTS Tech Corp scholarships are available

EMPACTS Program
Division of Science and Mathematics NWACC
One College Drive
Bentonville, AR 72712 USA

(543) 555-0150  (800) 555-0150
mgallowa@nwacc.edu
dphillips@nwacc.edu
http://www.nwacc.edu/web/empacts/index

STEM Outreach

Educational Outreach in Science, Technology, Engineering and Mathematics, allows college level students to learn by teaching their peers and others in the community.

Pre-service teachers are given the opportunity to adapt college level content to the K-12 learning environment as they collaborate with faculty mentors in public schools.

All students gain valuable academic, professional and life experience as they provide instructional support and educational materials to local schools.
**Education**

**Physical Science**

Pre-service teachers in the Introduction to Physical Science course gain experience in teaching and learning science concepts, as they adapt college level science to a K-6 curriculum and design learning activities and instructional tools and materials for local schools.

**Math Structures II**

Education majors taking Math Structures II learn best practice strategies as they develop manipulatives and lesson plans for K-6 learners.

**Astronomy**

NWACC Survey of the Universe students used the EMPACTS strategy to inspire K-12 students in astronomy and space science by creating a solar system mural for a local elementary school. Plaques were added to teach planetary information while student presentations used technology and websites to access in depth material for teaching and learning.

**MODELS AND TRAVELING EXHIBITS**

Students at NWACC are engaged in the planning and eventual construction of a solar system walk on campus, a proposed obelisk measuring the angle of the Sun, traveling models of the solar system, satellites, sundials, and multiple other exhibits that share knowledge and information about the active processes of planetary and stellar motion.