

Close the Learning Gap: Another Option

SREB's Advanced Career

Your school has persisted and prevailed through a global pandemic — congratulations! As we eagerly await students' full return to school this fall, school leaders are busily developing plans to identify and address learning losses caused by school closures and other disruptions to traditional instruction.

We have good news: The traditional solutions to learning loss — offering remedial courses or slowing the pace of instruction — are *not* the only solution to the learning gaps we face this fall.

Innovative school leaders are embracing acceleration, not remediation, by expanding opportunities for students to engage in meaningful learning through embedded academic content in high-quality career and technical education courses.

Advanced Career courses help schools close academic skills gaps.

SREB's Advanced Career curricula feature projects that embed college-preparatory literacy, math, science and problem-solving skills while mirroring the real workplace problems and tasks tackled by industry professionals.

All AC academic content is at grade-level or higher and each AC project challenges students to work in teams to develop technical solutions to problems and apply the academic skills needed to do so.

Students conduct research, use technology, perform calculations, evaluate scientific principles, write reports and present their products and solutions to authentic audiences in their communities.



Explore the value and impact of AC's exciting courses and projects from the perspective of AC students and teachers. Watch our introductory video: <https://youtu.be/m6LtmWJuaqA>

AC courses are a natural, *customizable* fit in district-designed pathways and align with in-demand jobs in high-skill, high-wage career clusters, such as Business, Energy, Manufacturing, STEM and Transportation, Distribution and Logistics.

College- and Career-Preparatory Instruction

AC moves students beyond rote skills-based instruction by embedding critical college and career ready academic concepts into projects. AC's highly successful focus on academics led one technical college to offer academic credit in English and math to AC pathway completers. AC courses provide an *alternative* way to address student learning gaps by challenging students with exciting, hands-on projects that require the application of academic concepts.



Real Industry Problems = Real Academic and Technical Growth

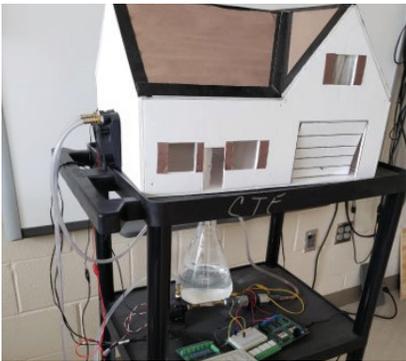
Explore these examples of the academic thinking embedded in each AC project.



Global Logistics & Supply Chain Management – Literacy

How can we adjust to disruptions in a supply chain?

After researching trade publications and other materials on supply chain management and analyzing supply chains for a product, write a proposal in which you identify a problem with the supply chain for your product and propose a solution. Support your position with evidence.



Clean Energy Technology – Science

How can we extract heat from the earth to heat and cool homes?

After experimenting with heat transfer methods, design, build and test a scale model geothermal system that uses heat from the ground to heat and cool a home.



Aerospace Engineering – Math

How can astronomical engineers design a satellite orbit to capture photos of maximum global coverage of the Earth?

Using the results from your calculations, create tables and charts that clearly show and explain day/night cycles, viewing area and the orbital path of your satellite design.

Help Students Eliminate Learning Gaps

Join the hundreds of high schools and career centers nationwide that use Advanced Career to provide practical, project-based instruction that engages students in exciting, STEM-based technical studies while building their academic skills. With AC, schools and districts can close learning gaps *and* prepare students for in-demand, high-wage careers.

LEARN MORE

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Explore:
<https://www.sreb.org/advanced-career>