Bringing Science to Life

Science, technology, engineering, and mathematics (STEM) are critical to the worldwide economy and are a core of many industries. Innovative STEM education programmes will maximise students’ learning of knowledge and skills that can be applied to these fields. The Amgen Biotech Experience (ABE) gives students the opportunity to gain hands-on experience with many of the same techniques that biotechnology researchers use to produce cutting-edge human therapeutics.

ABE is an innovative science education programme that introduces students to the importance of scientific discovery through a molecular biology learning experience that links core science concepts to real-world applications. The programme provides secondary school teachers and technicians with the curriculum, professional development, and lab equipment and supplies to engage students in this rigorous science education programme.
Enriching Students’ Lives in the Classroom and Beyond

Through ABE, students cultivate critical skills—including analysis, synthesis, evaluation, and problem-solving—that will serve them throughout their lives, whether they choose to pursue a career in science or work in an entirely different field.

ABE began in Los Angeles, California, 25 years ago through a unique collaboration of Amgen scientists and science educators with the vision to bring the excitement of biotechnology to secondary school students. The programme has since developed a robust curriculum and expanded to multiple communities in the United States and Europe. The ABE Program Office based at Education Development Center, Inc. (EDC), a global nonprofit organisation with deep experience and expertise in science education, provides leadership and support to strengthen the programme worldwide.

To date, the Amgen Foundation has committed nearly $14 million toward the ABE programme, making this opportunity possible for hundreds of thousands of students and thousands of educators across the United States and Europe.

Amgen Foundation
The Amgen Foundation seeks to advance excellence in science education to inspire the next generation of innovators, and invest in strengthening communities where Amgen staff members live and work. To date, the Foundation has donated more than $200 million in grants to local, regional and international nonprofit organizations that impact society in inspiring and innovative ways. In addition to the Amgen Biotech Experience, the Amgen Foundation brings the excitement of discovery to the scientists of tomorrow through several signature programs, including Amgen Scholars and Amgen Teach. For more information, visit www.AmgenInspires.com and follow us on www.twitter.com/amgenfoundation.

EDC
Education Development Center, Inc. (EDC) is a global nonprofit organisation headquartered in Waltham, Massachusetts (USA). EDC’s mission is to create learning opportunities for people around the world, empowering them to pursue healthier and more productive lives. EDC works with public-sector and private partners, harnessing the power of people and systems to improve education, health promotion and care, workforce preparation, communications technologies, and civic engagement. Learn more at www.edc.org.