

WORKFORCE DEVELOPMENT BOARD OF VENTURA COUNTY

HEALTHCARE COMMITTEE MEETING

Friday, July 24, 2015 8:00 a.m.-9:30 a.m.

VCCF Nonprofit Center (Board Room) 4001 Mission Oaks Blvd., Camarillo, CA

REVISED AGENDA

8:00 a.m.	1.0 Call to Order and Agenda Review	Greg Barnes
8:03 a.m.	2.0 Public Comments Procedure: The public is welcome to comment. All comments not related to items on the agenda may be made at the beginning of the meeting only.	Greg Barnes
8:08 a.m.	3.0 Approval of Minutes: May 8, 2015	Greg Barnes
8:10 a.m.	4.0 Committee Chair Comments	Greg Barnes
	5.0 Ventura County Regional Strategic Workforce Development Plan	
8:15 a.m.	 Local Area WIOA Recertification 	Cheryl Moore
8:20 a.m.	Clinical Lab Science Field Experience: Lab Certification Update	Dawn Neuman
8:25 a.m.	 Healthcare Work Readiness Skills Chart: Final Review 	Patricia Duffy
8:30 a.m.	 2014-2015 Year End Review 	Patricia Duffy
8:40 a.m.	Deputy Sector Navigator: Update	John Cordova
8:50 a.m.	Career Pathways: Update	Tiffany Morse Mary Anne Rooney
9:00 a.m.	Committee Spotlight: Amgen Biotech Experience	Sherry Tsai Carol Fujita
9:20 a.m.	6.0 Committee Member Comments	Committee Members
9:30 a.m.	7.0 Adjournment Next Meeting September 4, 2015 (8:00 a.m 9:30 a.m.) VCCF Nonprofit Center (Community Room), 4001 Mission Oaks Blvd., Camarillo, CA	Greg Barnes

Individuals who require accommodations for their disabilities (including interpreters and alternate formats) are requested to contact the Workforce Development Board of Ventura County staff at (805) 477-5306, at least five days prior to the meeting. TTY line:1-800-735-2922.



WIB Healthcare Committee May 8, 2015

MINUTES

Meeting Attendees

Committee Member Guests

Martel Fraser (Chair)* Kari Appleford (Fillmore High School)

Celina Zacarias (Vice Chair)* Darcy Duffy (Foothill Technology High School)

Greg Barnes* Hillary Howard (VC Innovates)

Ed Gonzales Liz Jacobson (Buena Vista Hospice and Home Health)

Teresa Johnson* Yvonne Jonason (Employment Training Panel)

Paul Matakiewicz* Atheina Mansour (St. John's Regional Medical Center)

Sandra Melton Subhash Karkare (Moorpark College)

Dawn Neuman Nancy Knutson (Buena Vista Home Health and Hospice)

Irene Ornelas (VC Innovates) Julie Pugh (Simi Valley Unified)

WIB AdministrationJulie Pugh (Simi Valley Unified)Patricia DuffyAlisa Speidel (Simi Valley Unified)Cheryl MooreWendy Trafton (VC Innovates)

Rigo Vargas (County Health Care Agency, Public Health)

*WIB Members

1.0 Call to Order and Agenda Review

Martel Fraser called the meeting to order at 8:10 a.m. No changes were made to the agenda.

2.0 Public Comments

There were no comments.

3.0 Approval of the Minutes: March 13, 2015

Motion to approve: Celina Zacarias

Second: Dawn Neuman

Motion carried

4.0 2015-2016 Meeting Schedule

The meeting calendar for 2015-2016 will be sent to the Committee Members.

5.0 Ventura County Regional Strategic Workforce Plan

• Clinical Lab Science Field Experience Update

Dawn Neuman provided an update on the status of the application to the State for four local hospital laboratory certifications, as a regional consortium, to support the Clinical Laboratory Science (CLS) Field Experience Program through California State University, Channel Islands (CSUCI). Dr. Neuman shared one of the application binders to enable the Committee to see extensive work required for the final product. A fifth hospital has expressed interest in participating in the Ventura County regional consortium for the CLS Field Experience Program which, on completion of the appropriate paperwork, will be the fifth hospital in Ventura County participating in submitting an application to the State.

WIB Healthcare Committee Page 1 of 2

Dr. Neuman commented that there are CSUCI students in the pipeline who are ready to begin when the hospital applications for certification are approved. Approximately 70% of Clinical Lab Scientists are at retirement age, which underscores the urgency of the need. The next issue of concern is finding a way to facilitate financial aid for students during their field experience-an additional year beyond the bachelor's degree that currently is not covered by standard financial aid programs.

Cheryl Moore noted the major significance of this effort, which began in 2010 when the WIB Allied Health Committee (became the WIB Healthcare Committee) worked to close education gaps in the CLS pipeline and discovered a critical missing piece: local, post-graduate field experience required for certification. The Committee facilitated discussions and planning with the hospitals and CSUCI to create the first CLS Field Experience Program in Ventura County, and initiated a collaborative effort to apply as the first consortium of private/public hospitals in California to offer a collaborative CLS Field Experience Program.

The Committee commended Dr. Neuman for her exceptional dedication and volunteer efforts in coordinating the lab certification application process, ensuring that people and paperwork were ready to submit and commit to the critical components required for certification.

Healthcare Work Readiness Skills Chart

The Committee reviewed the most recent draft of their Healthcare Work Readiness Chart. Meeting guests from business and education were invited to participate in the discussion. Several additions were made to the document, and Committee members will finalize the revisions at their next meeting. The chart will be posted on the WIB website and provides an employer-generated healthcare work readiness reference for educators, employers, and job seekers.

Career Pathways

VC Innovates, a collaborative Career Pathways Trust Grant project, invited education and business representatives to participate in this second joint meeting with the WIB Healthcare Committee. The Committee members and guests divided into three groups to review and make recommendations to the draft Healthcare Professions Career Ladder Charts developed by VC Innovates. The discussions generated innovative ideas and insightful recommendations on how to restructure the charts to more accurately reflect healthcare career ladders in the current business environment.

6.0 Committee Member Comments

There were no comments.

7.0 Adjournment

Celina Zacarias adjourned the meeting at 9:35 a.m.

Next Meeting
July 24, 2015 (8:00 a.m.-9:30 a.m.)
VCCF Nonprofit Center
4001 Mission Oaks Blvd., Camarillo, CA

WIB Healthcare Committee Page 2 of 2



HEALTHCARE WORK READINESS SKILLS CATEGORIES

Workforce Development Board of Ventura County

SAFETY	MATH CONCEPTS	EMPLOYABILITY SKILLS
 General workplace safety Lock-out/tag-out procedures Worker safety Equipment safety Body mechanics Safety data sheets First aid/CPR/AED Infection control (contact/ airborne) 	 Multiplication, division, addition, and subtraction Combined operations of fractions and mixed numbers Units of measurement Mass and weight measurement Measuring fluids Ratios and proportions Table of decimal equivalents and combined operations of decimals Dimensional analysis 	 Basics of interviewing Work ethic Oral communication Written communication Time management Task prioritization Worker, supervisor, manager etiquette and protocol basics Basic company policy understanding Cultural awareness/inclusion Interpersonal skills Dress code/personal presentation Teamwork/leadership Willingness to learn Critical thinking
LEGAL/ ETHICS	COMPUTER SKILLS	HEALTHCARE EQUIPMENT
 HIPAA Medical record documentation Introduction to basic ethics Customer service/people skills 	 Excel Word OS basics Computer navigation Computer security File extension basics Overview of e-medical records software programs Social media 	 Blood pressure cuff Vital signs monitor Oxygen saturation monitor Proper use of patient lift and transport equipment Proper use of other medical equipment

Healthcare Committee: Rev.07.24.15 www.workforceventuracounty.org



2014-2015 YEAR-END REVIEW Workforce Investment Board of Ventura County

WIB HEALTHCARE COMMITTEE

2014-2015 Members

<u>WIB Members</u>: Martel Fraser, Chair (United Food and Commercial Workers, Local 770), Celina Zacarias, Vice Chair (California State University, Channel Islands), Greg Barnes (Los Robles Hospital and Medical Center), Teresa Johnson (Ventura Adult and Continuing Education), Paul Matakiewicz (Service Employees International Union, United Healthcare Workers), Sandra Werner (Simi Valley Hospital)

Other Members: John Cordova (College of the Canyons, Deputy Sector Navigator), Ed Gonzales (St. John's Regional Medical Center), Carol Higashida (Moorpark College), Cindy Jordan (Vista Cove Care Center), Michelle Reynolds (Ventura County Health Care Agency), Sandra Melton (Ventura College), Tiffany Morse (Ventura County Office of Education), Dawn Neuman (California State University, Channel Islands), John Tannaci (California Lutheran University), Brett Watson (Camarillo Healthcare Center)

Committee Accomplishments

In support of the WIB's *Ventura County Regional Strategic Workforce Development Plan 2013-2017,* and in alignment with the California WIB Health Workforce Development Council, the WIB Healthcare Committee:

- Continued to refine and analyze the WIB's Ventura County Occupational Employment Data and Growth Projections for Healthcare. Identified jobs, wages, employment growth projections, growth/replacement job potential, hard-to-fill occupations, and priorities for workforce education and training.
- Held a panel discussion on "One Year after the Affordable Care Act" to consider the impacts of ACA on the healthcare sector and workforce needs. Engaged in a wide-ranging discussion of changes in workforce demands, critical skills needed for entry-level and mid-level positions, and key jobs to meet Ventura County's healthcare workforce needs.
- Identified an important employer and job seeker issue: a dramatic shift in the hiring of Associate Degree nurses. Many hospitals are now only hiring B.S. Nursing (B.S.N.) Registered Nurses (R.N.). Considering the new hiring policies at hospitals, the Committee identified the A.D.N. /B.S.N. situation as critical issue that needs to be addressed, both locally and statewide, to align education with industry needs.
- Formed a New Grad Transition Workgroup as the result of a discussion on new graduates in nursing, radiological technology and respiratory therapy who are having a difficult time finding jobs because of lack of experience. The workgroup was formed to look into current models and identify needs in Ventura County. Began to collect more data to quantify needs in this region for Radiological Technician, Respiratory Therapist, and RN Transition Programs.
- Finalized the State Application, through the efforts of Dawn Neuman and California State University, Channel Islands, to submit a joint application for a self-sustaining Clinical Laboratory Scientist (CLS) field experience program under a consortium of four local hospitals. (A fifth also may join.) This work included research and coordination to facilitate hospital preparations for the CLS lab certification process. The submission of this combined application for certification will be the first consortium approach to CLS certification in California.

WIB Healthcare Committee Page 1 of 2



2014-2015 YEAR-END REVIEW Workforce Investment Board of Ventura County

WIB HEALTHCARE COMMITTEE

Committee Accomplishments (Continued)

- Developed a Healthcare Work Readiness Skills Categories Chart. The chart was initially drafted by a Healthcare Committee Workgroup and then submitted to the committee for review and approval. Provided the information to educators for consideration in curriculum development.
- Advocated for inclusion of several community college healthcare courses on the Eligible Training
 Provider List. Discussed the purpose of the California Eligible Training Provider List (ETPL) and
 the benefits for prospective job seekers and encouraged the addition of relevant healthcare
 courses in the community colleges, especially the nursing courses, be added to the ETPL to allow
 access for WIA-funded clients. As a result, courses were added to the ETPL.
- Provided a neutral platform to facilitate employer feedback to support the Career Pathways Trust Grants (Alliance for Linked Learning and VC Innovates) in developing curriculum aligned with the healthcare industry needs. Committee members, educators, and guests broke into three healthcare pathway discussion groups: Biotechnology Pathway, Patient Care Pathway and Administrative Services Pathway. The feedback also will be considered in the development of a career pathways map for Ventura County.
- Assisted in the development of Healthcare Professions Career Ladder Charts. VC Innovates
 invited education and business representatives to participate in a second joint meeting with the
 WIB Healthcare Committee to review and make recommendations regarding the draft Healthcare
 Professions Career Ladder Charts. The discussions generated innovative ideas and insightful
 recommendations on how to restructure the charts to more accurately reflect healthcare career
 ladders in the current business environment.
- Worked with local and regional partners on research, planning, collaboration, and facilitation of discussions to help create a foundation in support of education grant applications, economic development plans, and other community workforce development initiatives.

Insights

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STEM-ERSION '15

2-DAY PROJECT-BASED LEARNING PROGRAM

Educator summer immersion into local healthcare industry with emphasis on applied STEM learning with project design

Ventura County, CA

August 4-5, 2015

PROGRAM BENEFITS:

- Educators visit local healthcare facilities and spend time learning about programs and techniques trending in the sector.
- Educators and healthcare leaders speak about workforce training needs and the economy
- * Hands-On Body System "make-it and take-it" component with 20 clay tools and 20 clay sets.
- Cross-curricular discussions leading to pathway exploration and development







Summer STEM!

Healthcare Industry Exposure

HOW IT WORKS:

Teachers commit to:

- ◆ Attend the 2-day STEM-Ersion on August 4-5, 2015
- Complete a STEM-Ersion evaluation
- Implement a fall classroom lesson based upon project- based learning component
- Complete classroom project lesson plan and evaluation

Teachers will learn about the inner workings of medical and dental offices, hospitals, imaging centers, the Regional Child Development Center and the EMS Training Institute. Employers will talk about how the math and science skills that are taught in the classroom are used in the workplace. Teachers will discover industry hiring needs and gain access to valuable community resources.

Teachers are given a \$325 stipend for completion of the program.



Workforce Education Coalition 40 W. Cochran Street, #100 Simi Valley, CA 93065 805-526-3900 www.workforceec.org

Amgen Biotech Experience

Scientific Discovery for the Classroom

Greater Los Angeles

Sherry Tsai, PhD, ABE Greater LA Site Director Carol Fujita, ABE-LA CSUCI Distribution Center Coordinator

July 24, 2015

WDB Healthcare Committee Meeting Presentation

ABE Program Overview

The Amgen Biotech Experience (ABE):

- started approx. 25 years ago
- provides teachers with an engaging biotech lab curriculum,
 professional development, and research-grade materials to use in their classrooms
- allows students to conduct real-world biotech experiments
- inspires and empowers science teachers
- promotes student interest in science and science careers
- fosters scientific literacy



ABE Program Features

- a **hands-on biotechnology lab curriculum** that models realworld applications in industry that are used to produce human therapeutics
- intensive professional development
- "kit" of equipment and supplies needed to implement the labs
- extensive **teacher support** throughout
- all training, materials, and support provided at no charge
 - value of ~\$520/classroom & ~\$24K in loaned equipment



Greater LA ABE Site

- One of 11 program sites in US & Europe
 - the oldest and largest site
 - national program office based out of EDC (MA)
- Primarily serves Ventura, LA, & Orange Counties
 - also includes schools in Santa Barbara, Riverside, San Bernardino, Tulare, & Kern Counties
- Distribution centers in Pasadena, Woodland Hills, Fullerton, & Camarillo
 - focus on expanding reach in Ventura County
- In 2014-15:

ABE World-wide:

- 71,059 students
- 884 teachers
- 551 schools

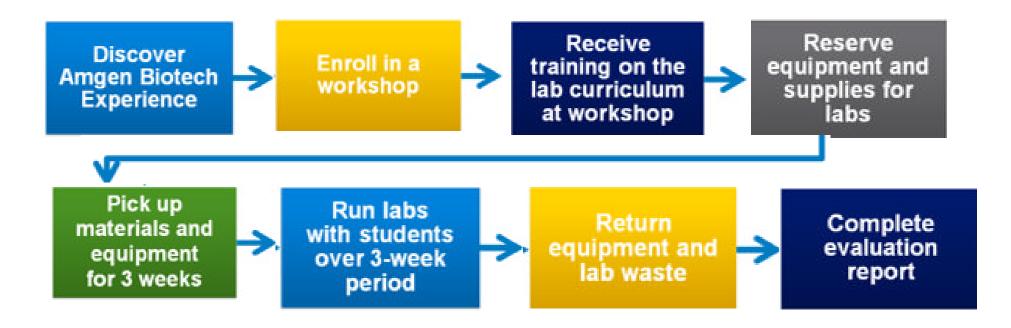
Greater LA Site:

- 24,301 students
- 238 teachers
- 143 schools

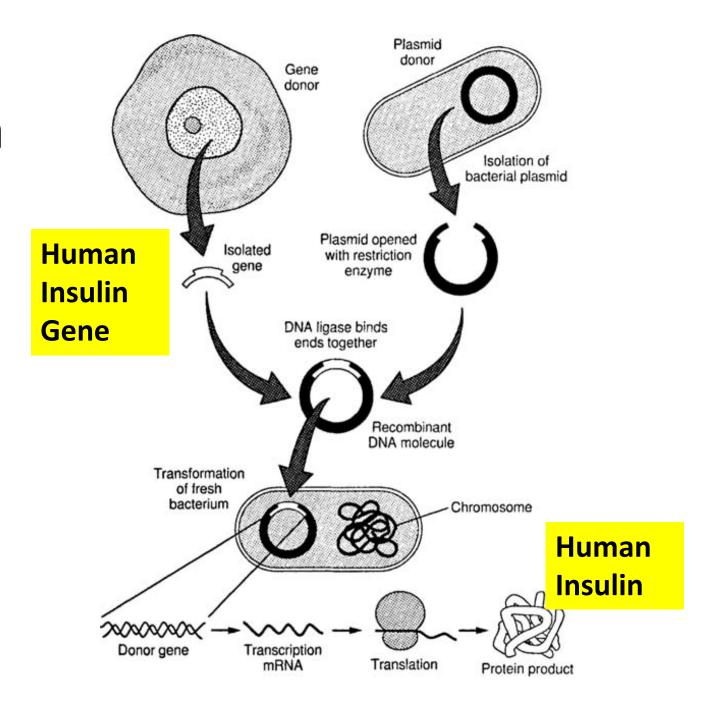
Ventura County:

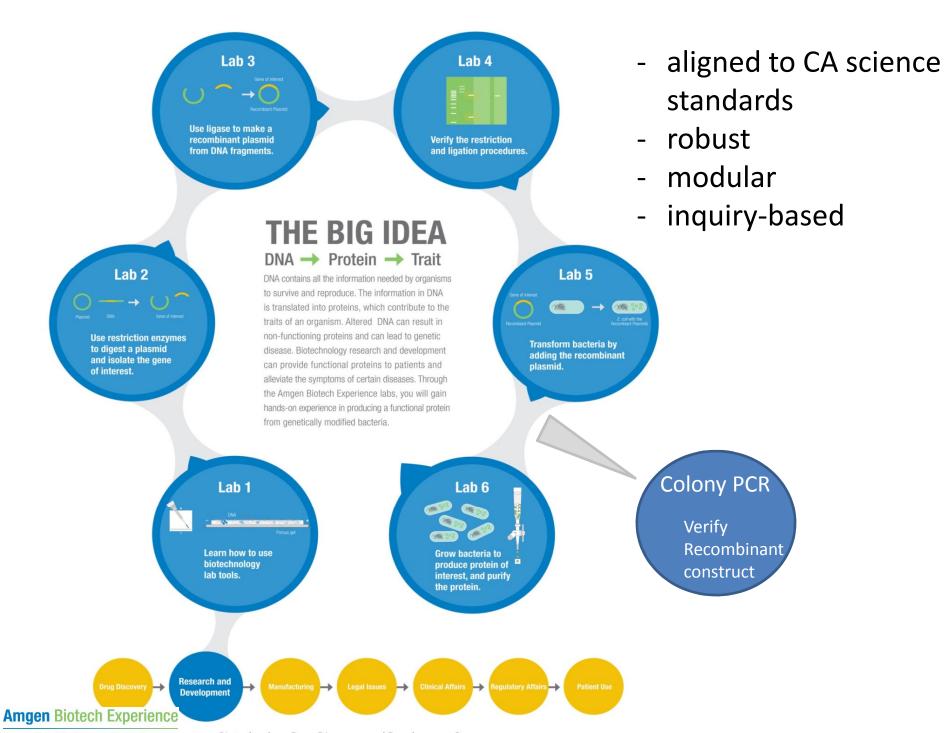
- 3,867 students
- 37 teachers
- 20 schools

How It Works: The Teacher's Experience



Lab curriculum with a real world focus





Impact

ABE participation improved students' attitude towards science and increased their science content knowledge, as shown by an independent evaluator.



"There is absolutely no way I could ever afford to do these labs without the support of Amgen..."

Winnie Litten, Oak Park
 HS teacher

"The students love this. Three weeks where they don't have to listen to me lecture. They get to work as a team, conduct their own investigation, use equipment they have only seen on television...engage in a collaborative team effort, engage in new technology..."

Dolores Bravo, South El
 Monte HS teacher

Greater LA ABE Team



Grace Montgomery Center Coordinator Pasadena



Karin Steinhauer Center Coordinator Pierce College



Carol Fujita
Center Coordinator
CSUCI



Jo Wu, PhD Center Coordinator Fullerton College



Sherry Tsai, PhD Site Director

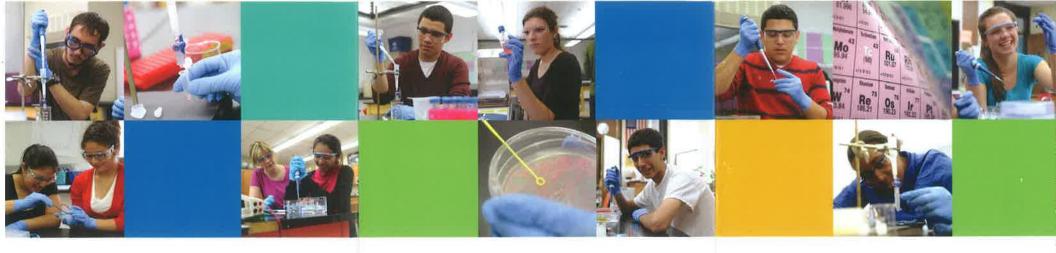


Wendie Johnston, PhD Adviser/Pasadena Workday Coordinator

Funding & Support

- Amgen Foundation
- Orange County Biotechnology Education Partnership
- New England BioLabs
- California Life Sciences/Biotechnology Initiative
- LA/OC Biotech Center
- Pasadena Bioscience Collaborative
- Foundation for Pierce College
- Pierce College
- California State University, Channel Islands
- Auritec Pharmaceuticals/Oak Crest Institute of Science
- Fullerton College

Other Needs: Access to facilities, schools/educators, additional equipment



I wouldn't have known about this field, how stimulating and enjoyable it is, without having sampled the life of a scientist through the biotech labs used by the Amgen Biotech Experience.

—Audrey Izuhara, research technician and former ABE student

We constantly have former students come back to tell us that they chose to major in science, biotech, or related fields because of this experience.

—Jim Mauch, secondary school science teacher

Not only did these labs help me discover my passion for molecular biology and medicine, but early exposure to molecular biology techniques opened the doors to multiple research opportunities.

—David Adler, medical student and former ABE student

The 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.

The Amgen Biotech Experience

ABE began 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 program has since developed a robust curriculum and expanded to multiple Amgen communities in the United States and Europe. The ABE Program Office based at Education Development Center, Inc. (EDC), a global nonprofit organization with deep experience and expertise in science education, provides leadership and support to strengthen the program worldwide.

Amgen Biotech Experience

Scientific Discovery for the Classroom

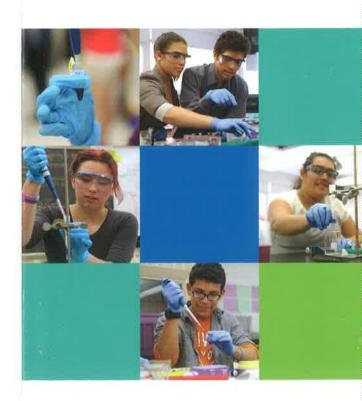
Greater Los Angeles

For more information about ABE-Greater Los Angeles Area, please contact Sherry Tsai, at s.tsai@oak-crest.org.



Amgen Biotech Experience

Scientific Discovery for the Classroom



www.amgenbiotechexperience.com

Ouick Facts

- The program's appeal and impact have been extraordinary, with more than 400,000 students participating to date
- Each year, the ABE program continues to reach more than 60,000 students and hundreds of teachers
- Amgen Foundation has committed nearly
 \$13 million to date toward the program
- The ABE program is currently available in communities in California, Colorado, Massachusetts, Rhode Island, Washington State, Washington DC, Puerto Rico, the United Kingdom, and the Republic of Ireland
- The ABE program provides teachers with researchgrade equipment and supplies, as well as invaluable professional development, which allows them to conduct real-world experiments with their students

Science, technology, engineering, and mathematics (STEM) are critical to the worldwide economy and a core of many industries.

Innovative STEM education programs will maximize 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 program 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 program provides secondary school teachers with the curriculum, professional development, and lab equipment and supplies to engage students in an exciting educational experience.

Locations

ABE has 11 program sites:

- 1. Greater Los Angeles
- 2. San Diego
- 3. San Francisco/Bay Area
- 4. Washington State
- Colorado
- 6. Massachusetts

- 7. Rhode Island
- 8. Metro Washington DC
- 9. Puerto Rico
- 10. Republic of Ireland
- 11. United Kingdom



Total Participation



>400,000 students



Participation for 2013–2014 School Year



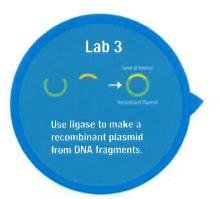
62,338 students



491 schools



802 teachers



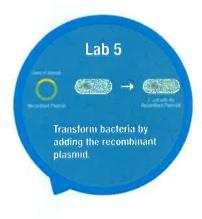


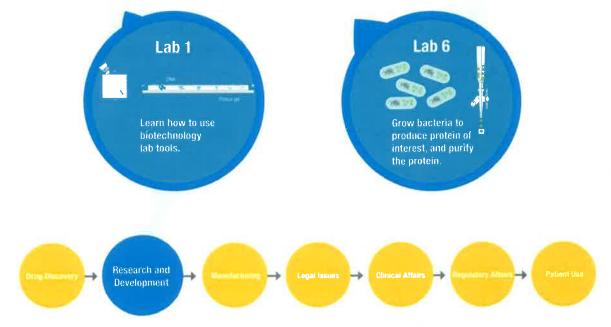
Use restriction enzymes to digest a plasmid and isolate the gene of interest.

THE BIG IDEA

DNA → Protein → Trait

DNA contains all the information needed by organisms to survive and reproduce. The information in DNA is translated into proteins, which contribute to the traits of an organism. Altered DNA can result in non-functioning proteins and can lead to genetic disease. Biotechnology research and development can provide functional proteins to patients and alleviate the symptoms of certain diseases. Through the Amgen Biotech Experience labs, you will gain hands-on experience in producing a functional protein from genetically modified bacteria.





Biotechnology Drug Discovery and Development Process

OXNARD UNION HIGH SCHOOL DISTRICT ACADEMIES

Adolfo Camarillo High School



Agriculture Science*
Business and Technology*

Channel Islands High School



Business and Finance Marine Science Transportation Technology

Hueneme High School



Youth and Education Services Engineering and Design

Oxnard High School



Green Technologies Law and Public Services Multimedia Business Aviation*

Culinary Arts

Pacifica High School



Health Science
Teaching and Educational Careers
DECA Business
Environmental Engineering*
Information Technology*

Rio Mesa High School



Manufacturing, Engineering, Robotics & Industrial Technology (MERIT) Hospitality and Business*

Rancho Campana High School



Medical Sciences*
Engineering*
Arts & Entertainment*

The Ventura County Civic Alliance is serving as the business/ education intermediary to recruit and manage employer and community involvement.

For more information or to participate, contact:

Mary Anne Rooney Project Director MARooney@CivicAlliance.org (805) 415-2787



BOARD OF TRUSTEES

Steve Hall, Ed.D., President Beatriz R. Herrera, Vice President Wayne Edmonds, Clerk Gary Davis, Ed.D., Member Karen M. Sher, Member

ADMINISTRATION

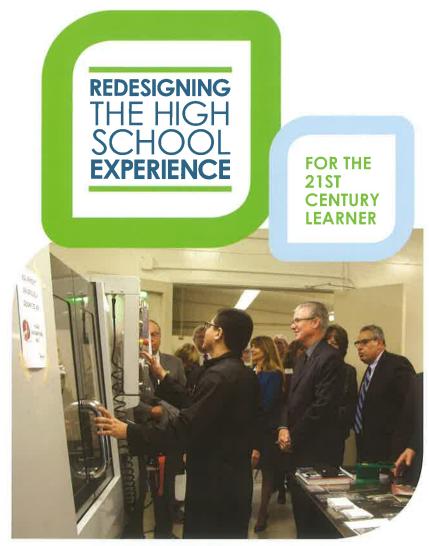
Dr. Gabe Soumakian, Superintendent
Dr. Gregory O'Brien, Asst. Supt. Educational Services
Dr. Robert "Rocky" Valles, Asst. Supt. Human Resources
Stephen Dickinson, Asst. Supt. Administrative Services
Consuelo Williams, Exec. Dir. 21st-Century Learning and Innovation
Jim Rose, Dir. of Career Pathways and Community Partnerships
jim.rose@ouhsd.k12.ca.us / 805-278-1607

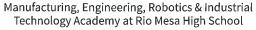
309 South K Street Oxnard, CA 93030

www.ouhsd.k12.ca.us AllianceForLinkedLearning.org



Alliance for Linked Learning









OVERVIEW

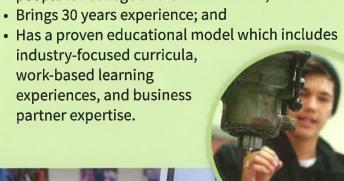
The Oxnard Union High School District (OUHSD) was awarded a \$6 million grant to implement Linked Learning and to develop partnerships with community and business leaders.

The Linked Learning academy model:

- Is supported by the National Academy Foundation; and
- Provides the District with the most complete resources, tools, curriculum and professional development available for implementation.

The National Academy Foundation (NAF):

- · Is a leader in the movement to prepare young people for college and career success;



WHAT IS AN **ACADEMY?**

An Academy is a small cohort of students taking a sequence of rigorous college-ready courses throughout their four years that integrates academic classes with a specific industry sector.

WHY USE THE **ACADEMY** MODEL?

The Linked Learning model is a comprehensive four-year program of study that:

- Prepares students for College, Career, and Life;
- · Connects academics to realworld application by integrating challenging academics with a rigorous curriculum;
- · Leads to a full range of postsecondary and career opportunities, keeping all options open after high school; and
- · Improves overall student achievement.

Academies produce strong outcomes. Research shows that 97% of seniors who participate in the Academy model graduate.



BENEFITS TO **INVOLVEMENT**

- · Create a diverse talent pipeline
- Lower recruitment and training costs

HOW CAN YOU GET

You can improve our workforce by becoming involved in

INVOLVED?

- · Increase interest in your industry
- Improve graduation rates
- Meet a corporate social responsibility

OPPORTUNITIES

- Classroom speaker
- Mentoring
- Worksite visit
- Job shadowing
- Interviews
- Paid internships





OUTCOMES 97% OF SENIORS IN ACADEMIES GRADUATED