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GAP ANALYSIS



STEM JOBS IN CA GROWING FAST



- MORE GROWTH IN STEM
- STEM GRADUATES WORK OUTSIDE STATE
- NEED FOR HEALTH & COMPUTER SCIENCE DEGREES
- BETTER TRACKING OF STEM STUDENTS COULD BE HELPFUL

PANEL 1: STEM-THE PRESENT & FUTURE IN THE SAC. REGION



STEM-RELATED EMPLOYEES WILL BE RETIRING AT GREATER RATES IN NEAR FUTURE



LOOKING FOR REGIONAL STRATEGIES

- COLLABORATION IS VITAL
- MUST CAPTURE IMAGINATION OF KIDS
- GOVERNMENT SUPPORT
- ENTREPRENEURIAL GROWTH

NEED FOR TECHNOLOGY & INNOVATORS IN ENERGY SECTOR

- ▶ MUST WORK TOGETHER TO ENSURE CONTINUED GROWTH OF TECH IN SAC
- ▶ LOCAL START-UPS NEEDS LOCAL TALENT & SKILL SETS WITH **DESIRE!**
- ▶ EMPLOYEES ARE WILLING TO INVEST IN EDUCATION & PARTNERSHIPS TO ENSURE STEADY FLOW OF STEM WORKFORCE

- ▶ LOOKING FOR LAB EXPERIENCE & COMPUTER KNOWLEDGE IN BIO-TECH SECTOR
- ▶ SECURITY CLEARANCE & COST TO EMPLOYEE FOREIGN WORKERS SUPPORT NEED FOR LOCAL STEM TALENT



PANEL 1 Q&A

STABLE FUNDING

GOVERNMENT FUNDING TO INFLUENCE KIDS MOVING TO LEARN STEM WOULD BE HELPFUL

• ESPECIALLY IN MIDDLE SCHOOL

REGIONS THROUGHOUT WORLD ARE ALSO BUILDING STEM PROGRAMS



SACRAMENTO NOT SELF CONTAINED TO SUPPORT TECH GROWTH IN REGION

• REGULATORY LAWS ALSO A CHALLENGE

BUILDING PARTNERSHIPS

• TEACHERS, STUDENTS, INTERSHIPS GOVERNMENT, EDUCATION, INDUSTRY

LET'S MOVE FORWARD TOGETHER!

STEM CLEARINGHOUSE SINGLE REPRESENTATION FOR JOB OPPORTUNITIES?

INDUSTRY DEVELOPMENT

CAN BUILD POOL BY FOCUSING ON UNDER-REPRESENTED COMMUNITIES

WHAT CHANGES IN CURRICULUM BE MADE?

- FORWARD LOOKING STEM PROGRAMS
- MAKE SURE PIPELINE INPUTS MEET OUTPUTS
- CRITICAL THINKERS IMPORTANT

STAY ON FRONT END OF CURVE

