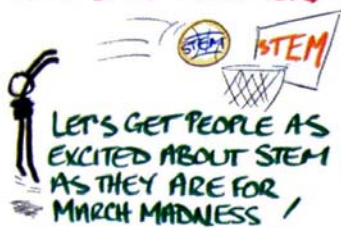


## HON. DAN LUNGREN



## WE NEED TO DEVELOP STEM KNOWLEDGE

- ▶ IMPORTANT TO HOMELAND SECURITY
- ▶ MAINTAIN COMPETITIVENESS IN GLOBAL ECONOMY



CHINA VIEWS U.S. HIGHER EDUC AS WORLDS BEST



- K-12 NOT VIEWED AS BEST
- U.S. LACK MATH & SCIENCE IN K-12
- ADMIRE CREATIVITY OF AMERICA

## MUST MAINTAIN CONTINUITY OF K-12, COLLEGE, COMMUNITY & BUSINESS



MUST COLLABORATE TO MAINTAIN COMPETITIVENESS

## PANEL 3: BRIDGING THE GAP

- ▶ CONTINUITY: WE ARE PART OF BIGGER COMMUNITY
- ▶ ACCEPT THAT WE ARE THE PROBLEM & THE SOLUTION
- ▶ PRE COLLEGE STEM TRAINING IS THE FOUNDATION
- ▶ MUST ADDRESS ROLE OF PARENT



- ▶ NEED SUSTAINABLE K-12 STEM RELATED PROGRAMS
- ▶ TEACHER TRAINING IS IMPORTANT
- ▶ CERTAIN COLLEGE REQUIREMENTS MAY INTERFERE W/ TAKING STEM CLASSES IN H.S.

▶ REFORM MOVEMENT = PARTNERSHIP IN DECISION MAKING

▶ MUST SUPPORT ALL DEMOGRAPHICS OF REGION

- ▶ LET'S FOCUS
  - IN STRATEGY
  - IN EXECUTION, ACTIONS
  - IN OPERATION

▶ INDUSTRY CAN PROVIDE OLDER EQUIP TO UNIVERSITY SO STUDENTS CAN GET EXPERIENCE IN "REAL WORLD"

- PROVIDE OPPORTUNITIES FOR STUDENTS TO LEARN WHAT THEY LIKE & DON'T LIKE



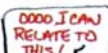
▶ SHADOW PROGRAM FOR H.S. SENIORS

- BUILD INTERESTS AT EARLIER AGE
- THE EARLIER SOMEONE KNOWS WHAT THEY WANT TO DO, THE GREATER THE CHANCE THEY WILL DO IT.

## PANEL 3: Q&A

### PARTNERSHIP FOR PROSPERITY MODEL

- ▶ TALK ABOUT WHAT IS IMPORTANT HERE IN SAC. → (e.g. CLEAN ENERGY)
- ▶ UNIQUE NEEDS OF REGION & EDUCATION
- ▶ 1.D. COMMONALITIES (WE LIKE EACH OTHER)



IF WE BUILD STEM, WILL STUDENTS ATTEND? YES!

- ▶ KEY ELEMENT IS BUILDING INTEREST AT A YOUNG AGE
- ▶ HELP KIDS SEE THAT THIS IS SOMETHING THEY CAN DO
- ▶ HOW CAN WE KEEP H.S. IN COMMUNITY FOR COLLEGE & WORK
- ▶ STRONG ECONOMY



PROJECT "LEAD THE WAY" VERY SUCCESSFUL - HIGH TEST SCORES

DO WE WANT TO ATTRACT STUDENTS FROM AROUND THE WORLD TO COME TO SCHOOL & STAY FOR WORK?

- DOES THIS CONTRADICT "LOCAL" FOCUS?
- ALREADY GET LARGE NUMBER OF NON-REGIONAL STUDENTS
- FOCUS ON REGION NEEDS CAN STILL INCLUDE WORLDWIDE INTEREST

APPRENTICESHIPS & INTERSHIPS (OR EVEN TOURS) FOR FACULTY & STUDENTS

- NEEDS INDUSTRY PARTICIPATION