

# ETIC/OPAS Pre-college Investment Model

Rough Draft for Discussion Only

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# ETIC and OPAS Goals

- Subset of ETIC goals:
  - Reach 2X\* bachelors degrees by 2013
  - Make big step towards addressing lack of gender and ethnic diversity
- OPAS Role:
  - Dramatic increase in number and diversity of young people who choose engineering and applied science as their undergraduate major from 2009 to 2013
  - Establish best practices to further growth thereafter
  - Provide benefits to all the other students who choose other careers

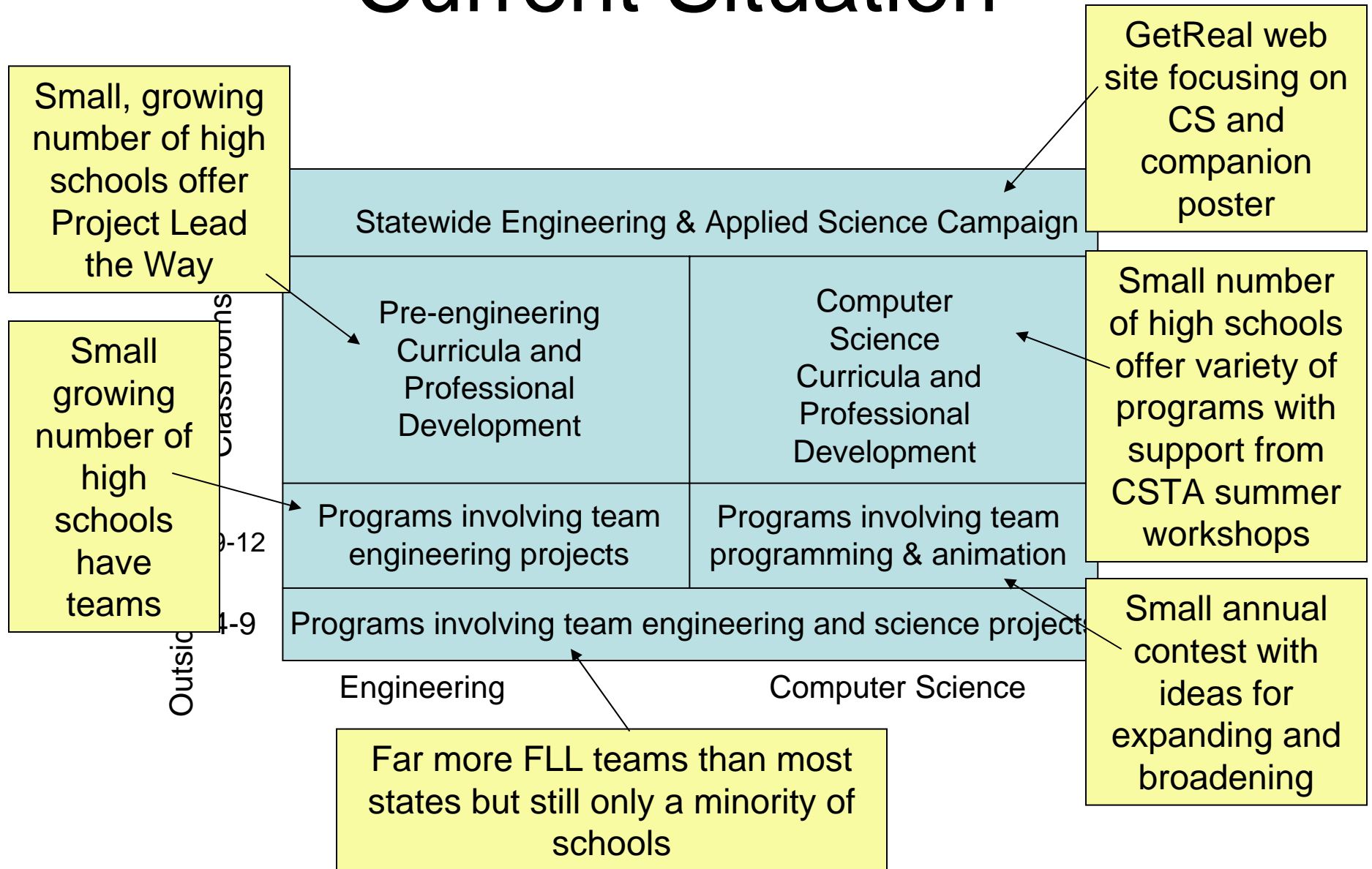
\* Vs 1997 Baseline

# How Success Might be Achieved

Marketing	Statewide Engineering & Applied Science Campaign	
Classrooms	Pre-engineering Curricula and Professional Development	Computer Science Curricula and Professional Development
	9-12 Programs involving team engineering projects	9-12 Programs involving team programming & animation
Outside of class 4-9	Programs involving team engineering and science projects	
	Engineering	Computer Science

Complementary STEM Programs include: OMSI, SA, MESA, SMILE, ....

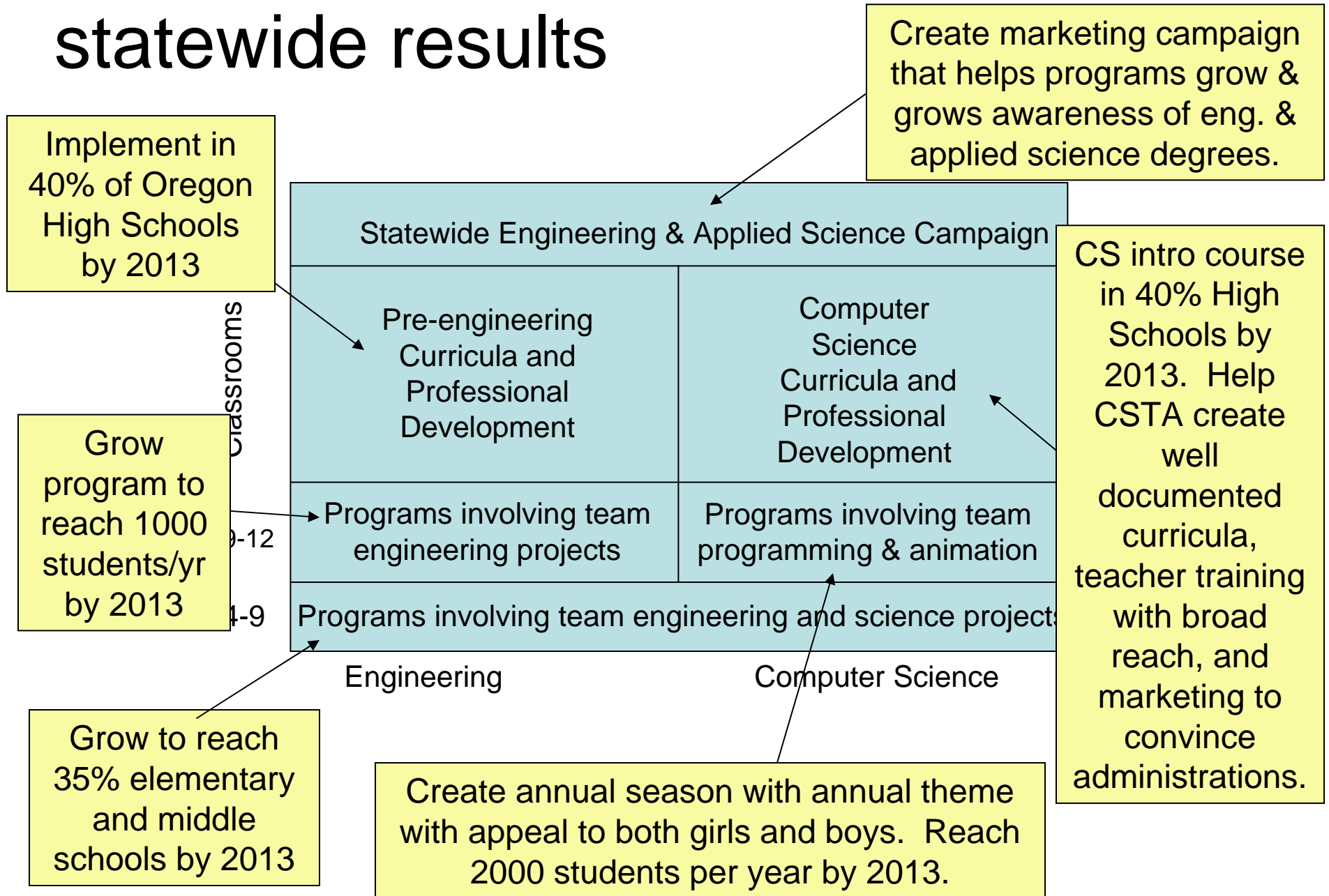
# Current Situation



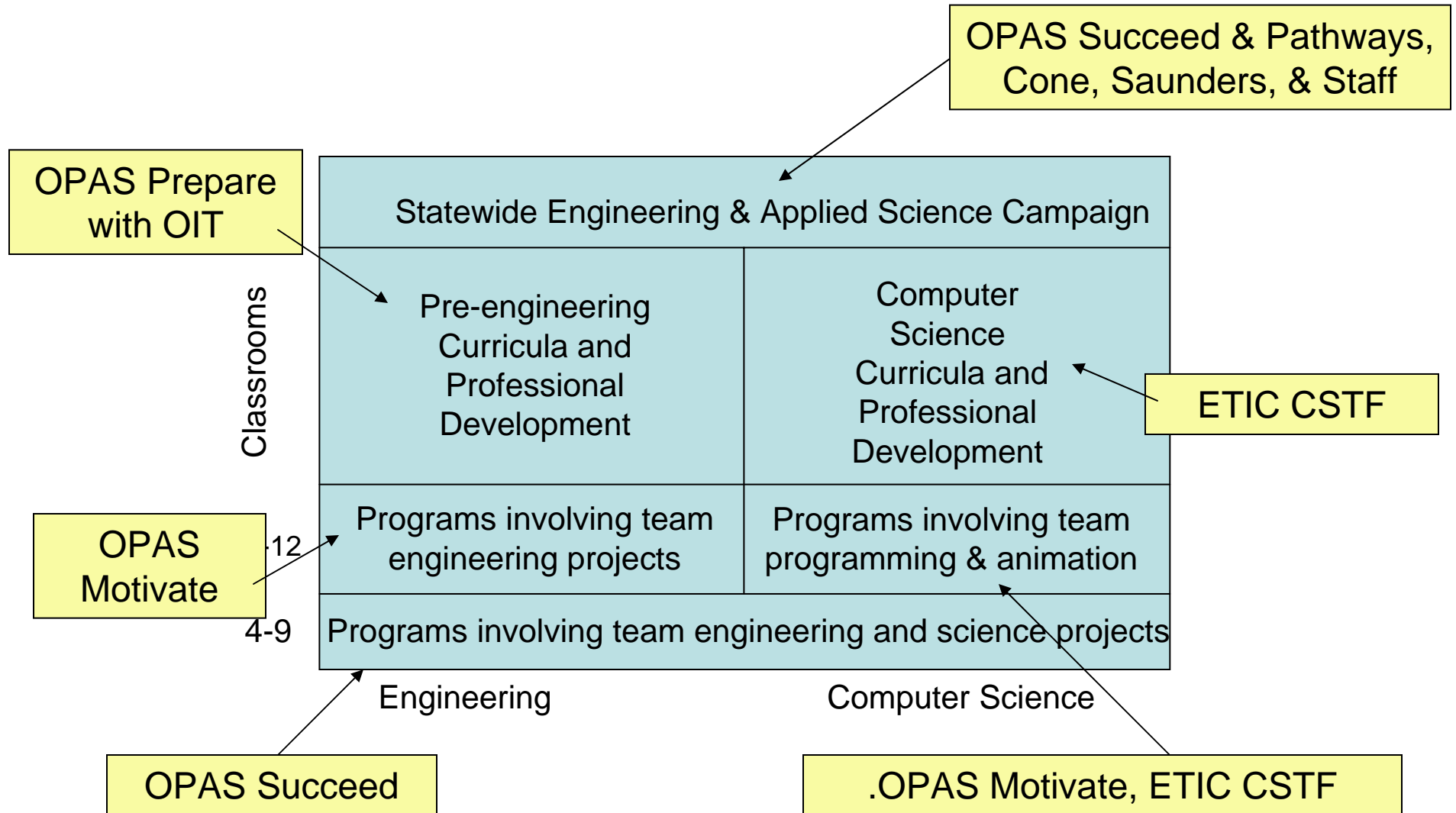
# The Opportunity

- Take advantage of what we know to scale up effective programs.
- Reach more and greater diversity of students in terms of gender, ethnicity, and location.
- Provide teachers and other adults with the resources they need to motivate and prepare these students for success in a variety of career pathways.
- Provide opportunities for all young Oregonians to aspire to and participate in rewarding technical careers.

# Grow programs to achieve statewide results



# Create Plans For Each Goal



# Examples of Potential Partners

