

ETIC/OPAS Pre-college Investment Model

Rough Draft for Discussion Only

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ETIC and OPAS Goals

- ETIC:
 - 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

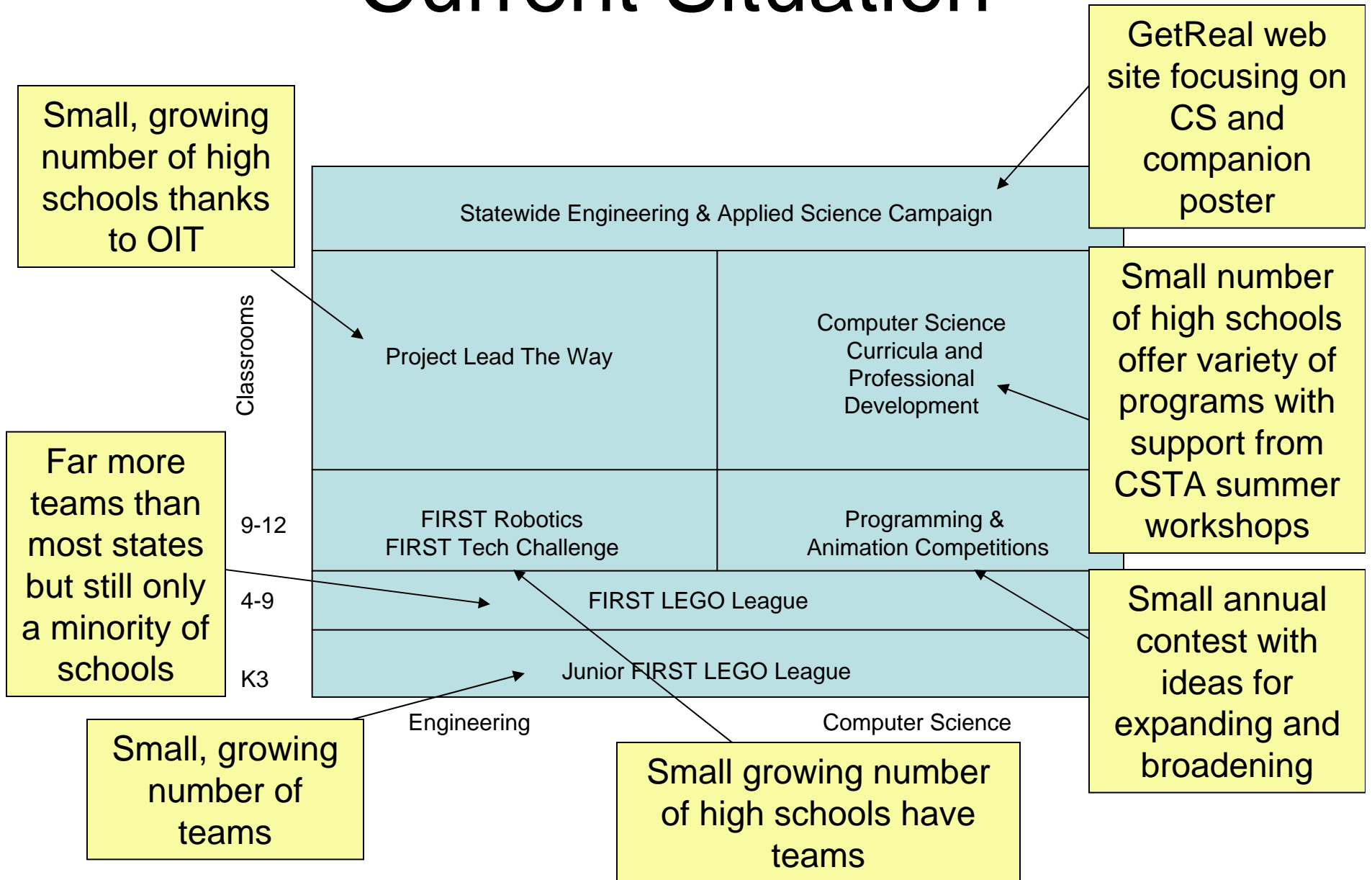
* Vs 1997 Baseline

What Success Might Look Like

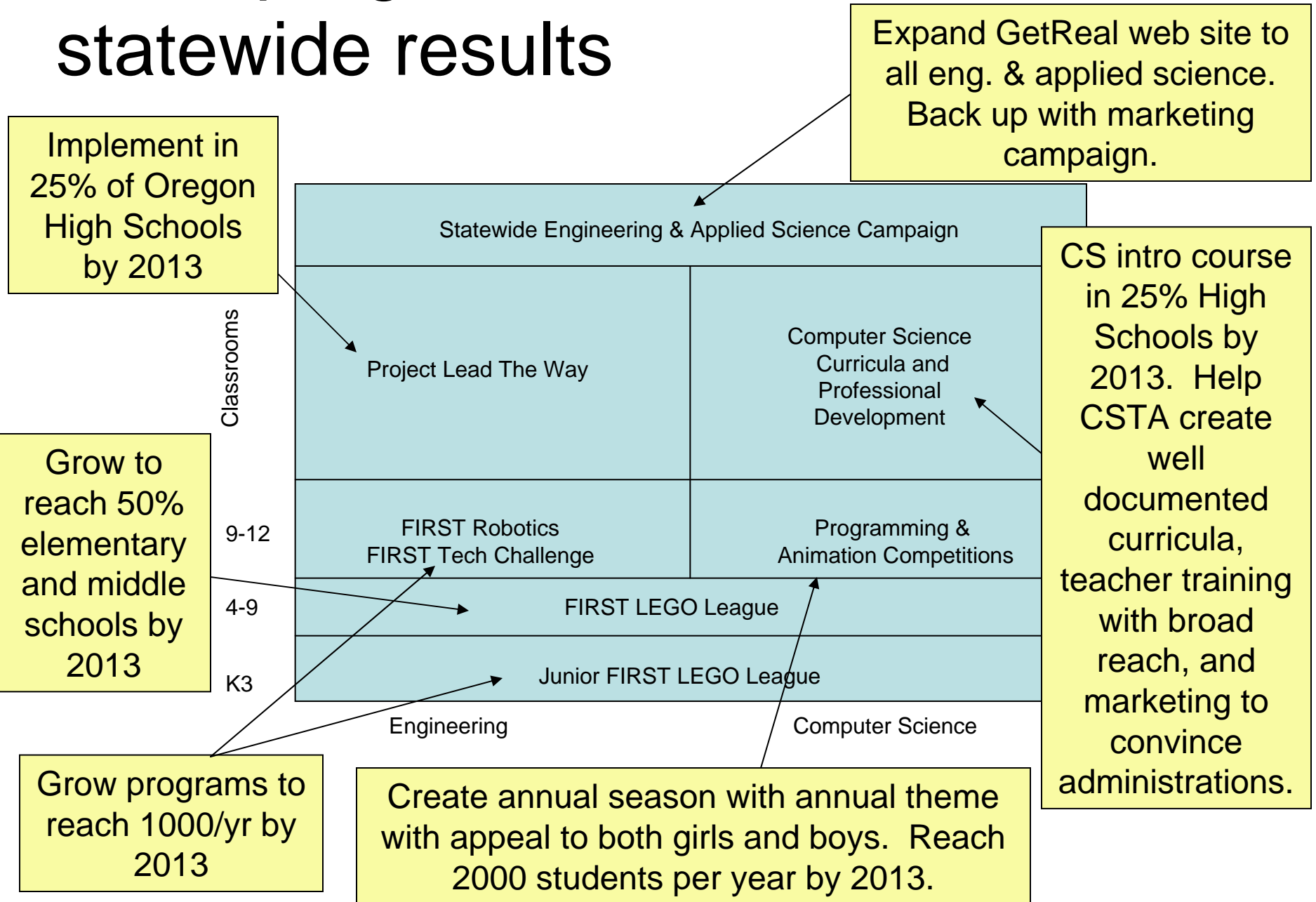
Marketing	Statewide Engineering & Applied Science Campaign	
Classrooms	Project Lead The Way	Computer Science Curricula and Professional Development
	9-12 FIRST Robotics FIRST Tech Challenge	Programming & Animation Competitions
Outside of class	4-9 FIRST LEGO League	
	K3 Junior FIRST LEGO League	
	Engineering	Computer Science

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

Current Situation



Grow programs to achieve statewide results



What would it take

- Detailed plans
- Refined goals and methods for measuring progress
- Major funding, targeted investments
- Coordinated efforts by existing players
 - Universities, community colleges
 - ESDs, School districts
 - Outreach organizations
- And new players
 - Employers
 - Community organizations
- Constant learning and improvement