It is All About the Outputs

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THREE PRIORITY AREAS OF INVESTMENT

Building the field of education data scientists and the discipline of learning analytics

Supporting the Shared Learning Collaborative and its development of the Shared Learning Infrastructure

Supporting the development and investigation of digitally mediated social learning and crowdsourcing for learning and teaching
Three out of four people in Mexico lack formal financial services.

One million students in the United States drop out of high school each year.

One million children in Sub-Saharan Africa die each year from malaria.

Almost four million adults in East Asia suffer from HIV/AIDS.
WHAT WE FOCUS ON

What affects **the most people** with **the most urgent needs**?

We invest in **innovation**—creation and delivery of sustainable customer value into the marketplace.

Where can we make **the greatest impact**?

25% United States Program

25% Global Development Program

50% Global Health Program
HOW WE FOCUS AND MAKE OUR INVESTMENTS

1. Develop Strategy
   - Form critical partnerships
   - Find scalable, sustainable solutions

2. Make Grants
   - Leverage science and technology
   - Take big risks

3. Measure Progress

4. Adjust Strategy
A CONFLUENCE OF BREAKTHROUGHS ARE MOVING US CLOSER TO PERSONALIZED LEARNING
“For every complex question there is a simple answer – and it’s wrong.” H.L. Mencken

“The future is already here – it's just not evenly distributed.” William Gibson

“Context is always as relevant as concept.” Terry Olsen

“To (overly) generalise is to be an idiot.” William Blake

“In theory there is no difference between theory and practice; in practice, there is.” Yogi Berra
<table>
<thead>
<tr>
<th>Inputs</th>
<th>Activities</th>
<th>Outputs</th>
<th>Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students</td>
<td>Personalization of learning and teaching, distributed over time, distance, and media at scale for all students</td>
<td>Dramatic increase in the number of students demonstrating proficiency on college-ready standards</td>
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<td>Teachers</td>
<td>Students working alone and with others advance through content and receive credit based on demonstrated mastery, not seat time</td>
<td>College readiness at scale for at least 80% of the class of 2025 and beyond</td>
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<td>Instrumented, Digitally Born Technologies</td>
<td>Algorithms inform learning and teaching</td>
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<tr>
<td>A Shared Learning Infrastructure (SLI)</td>
<td>Education data scientists apply learning analytic techniques to make meaning of infrastructure data</td>
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<td>Education Data Scientists</td>
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<tr>
<td>Common Core Standards/Learning Maps</td>
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Certain resources are needed to personalize learning at scale for all students. We can complete these activities by harmonizing and connecting inputs. Activities result in personalized, credit-earning, learning pathways. Personalization of learning leads to college readiness.
WE NEED YOUR HELP!

- **Challenge:** Support personalized learning for 26+ million secondary students with varying needs, skills, developmental levels, interests, and dispositions

- **Solution:** Focus intensely on the outputs

- **How do we get there?**
  - Supporting growth in the emerging field of education data scientists
  - Supporting the Shared Learning Collaborative and its development of the Shared Learning Infrastructure
  - Supporting digitally mediated social learning and crowdsourcing for learning and teaching
Old Paradigm

New Paradigm

☑️ Usable student information
☑️ Powerful educational tools & content
☑️ Streamlined processes

To make personalized education a reality for every student!
SLC Technology Enables Applications

SLC Technology will support a robust ecosystem of application suppliers by decreasing the barriers to entry and innovation. SLC Technology will lead the vendor market to better align with the needs of students, teachers and schools.
CROWDSOURCING INDIVIDUAL & COMMUNITY LEARNING

All kids’ learning outcomes improve

Community learning increases

BUILDING THE FIELD OF EDUCATION DATA SCIENTISTS TO ANALYZE BIG DATA TO PERSONALIZE LEARNING

Academy

Industry

Government

Practice

Foundation

Cultural

Psychological

Economic

Technical

Policy-Based
Thank You!

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