Collaborative Research Project

Overcoming Obstacles to Scaling-Up with a Cyberlearning Professional Development Model
It’s About Time

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PBIS CyberPD Project

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Innovative, research-based curricula require significant changes in teaching practices. Once adopted, the implementations of these programs often struggle due to the lack of sustainable and cost-effective face-to-face professional development.
The goal of this project is to design and study scalable, affordable, flexible, “educative,” and effective cyberlearning tools supporting districts and teachers adopting and implementing research-based curricula.

We chose *Project-Based Inquiry Science (PBIS)*, an NSF funded middle school science curriculum that we publish, in which to wrap this project around.
Outcomes to date

- An *integrated suite of cyberlearning tools*
- *Preliminary data* on the usability and utility of the cyberlearning suite from two different sources of feedback and research
- A replicable online process – a *scenario guided design evaluation lead by UC and UCAR*
- Instruments and protocols for conducting *implementation studies* of the tools lead by WestED
## PBIS CyberPD Project

### Iterative Project Design

<table>
<thead>
<tr>
<th>Cyberlearning Tool Suite</th>
<th>Assets</th>
<th>Assets Site v1.0</th>
<th>Assets Site v2.0</th>
<th>Assets Site v3.0</th>
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</thead>
<tbody>
<tr>
<td>Teacher Participants</td>
<td>Design Advisors (11)</td>
<td>Design Advisors (10)</td>
<td>Design Advisors (10)</td>
<td>Design Advisors (10)</td>
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<tr>
<td></td>
<td>One Field Site (11)</td>
<td>Three Field Sites (17)</td>
<td></td>
<td>??? Field Sites (XX)</td>
</tr>
<tr>
<td>Research Methods</td>
<td>Scenario guided design evaluation</td>
<td>Scenario-guided design evaluation</td>
<td>Scenario-guided design evaluation</td>
<td>Scenario-guided design evaluation</td>
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<td></td>
<td>Needs surveys</td>
<td>Implementation study</td>
<td>Implementation studies</td>
<td>Implementation studies</td>
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The CyberPD suite of tools

• **Preparation**
Pedagogical, content, and planning assets to help teachers prepare to teach the curriculum

• **Just-in-Time Support**
Student-page specific support assets that teachers can access anytime and anywhere as needed during their actual teaching

• **Reflection**
Journaling capability and questions that encourage teachers to reflect on their classroom practices in order to make improvement

• **Professional Learning Community**
Opportunities for teachers to communicate and share with each other and with the Project Team on an ongoing basis