FRONT END ANALYSIS PLAN
CLOSING THE GAP OF TECHNOLOGY USE AT THE WEST SIDE LEARNING CENTER

IDE 712 FEA Plan Presentation

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WSLC TEACHERS ARE PRESENTING TECHNOLOGY PERFORMANCE PROBLEMS

The current use of technology by teachers is at 20 %

The desired use of technology by teachers should be at 100 %
IMPORTANCE OF SOLVING PROBLEMS

• Increase the use of technology by teachers and students
• Increase teachers’ technology skills
• Increase students’ English skills by using technology
• Increase students’ technology literacy and skills
• Increase students’ independence in job search
• Increase students’ abilities to perform in higher education courses
• Increase school employment and continued education outcomes
• Increase technology usage data to support technology advancement
## FEA Plan

### (Gilbert Behavior Engineering Model)

<table>
<thead>
<tr>
<th></th>
<th>SD Information</th>
<th>R Instrumentation</th>
<th>Sr Motivation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>E</strong> (environmental)</td>
<td><strong>1</strong> EXPECTATIONS &amp; FEEDBACK</td>
<td><strong>2</strong> TOOLS &amp; RESOURCES</td>
<td><strong>3</strong> CONSEQUENCES &amp; INCENTIVES</td>
</tr>
<tr>
<td><strong>P</strong> (individual)</td>
<td><strong>4</strong> SKILLS &amp; KNOWLEDGE</td>
<td><strong>5</strong> SELECTION &amp; ASSIGNMENT (capacity)</td>
<td><strong>6</strong> MOTIVE &amp; PREFERENCES (attitude)</td>
</tr>
</tbody>
</table>
## DATA COLLECTION TOOLS

<table>
<thead>
<tr>
<th></th>
<th>Desired performance</th>
<th>Actual Performance</th>
<th>Feelings</th>
<th>Cause</th>
<th>Possible Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Existing Data</strong></td>
<td>Review</td>
<td>Review (if any)</td>
<td>Review (if any) (i.e. complaints)</td>
<td></td>
<td></td>
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<tr>
<td><strong>Documentation</strong></td>
<td>Review</td>
<td>Review</td>
<td></td>
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<tr>
<td><strong>Technology Support</strong></td>
<td>Questionnaire</td>
<td></td>
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<tr>
<td><strong>Management</strong></td>
<td>Interview</td>
<td>Interview</td>
<td>Interview Questionnaire Observation</td>
<td>Questionnaire</td>
<td>Interview</td>
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<tr>
<td><strong>Target Population</strong></td>
<td>Interview Focus Groups</td>
<td>Observation Questionnaire</td>
<td>Focus Groups Questionnaire Observation</td>
<td>Questionnaire</td>
<td>Interview Focus Groups</td>
</tr>
</tbody>
</table>
PROPOSED CAUSES

• Lack of clear performance expectations and standards for the technology use
• Teachers’ lack of essential technology and job-relevant technology skills
• Teachers face interferences that prevent them from performing (Internet, printing, etc.)
• Teachers work with inefficient hardware and software
• Teachers do not see the value of teaching technology
• Teachers are not challenged to perform for results
• There is no feedback to teachers on how well they are performing
PROPOSED SOLUTIONS

• Set clear technology use performance and standards
• Set professional development sessions to train teachers
• Redesign organizational links with the technology assistance group
• Redesign the learning center process for reaching out technology assistance
• Design and implement a motivational system
• Design and implement a incentive/consequence system