GIS programs in Jefferson County Public Schools

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Agenda

• Brief overview of GIS in Jefferson County.

• Enrollment Numbers.

• Observations, Trends, and Plan.

• Community Involvement Opportunities.
Introduction

• Programs are through Career and Technical Education (CTE) dept.
• Completion of 4 courses = major = funding.
• GIS programs consist of the following course sequence:
  1. Computer Apps (IC3 Certification).
  2. ArcView GIS (KCTCS GIS 120).
  3. GIS Applications.
  4. Co-Op or elective IT course.
Introduction

• Schools that have GIS programs (majors)
  – Doss and Southern

• Schools that have individual classes (electives)
  – Valley, Central, and Western

Source: TEDS State Enrollment Data
# Enrollment Numbers: 2011-12

Number of students in CTE majors at JCPS  
**Source:** TEDS database

<table>
<thead>
<tr>
<th>School</th>
<th>Total # student enrollment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doss</td>
<td>7</td>
</tr>
<tr>
<td>Southern</td>
<td>7</td>
</tr>
</tbody>
</table>

Number of students enrolled in GIS Classes  
**Source:** Infinite Campus database

<table>
<thead>
<tr>
<th>School</th>
<th>ArcView</th>
<th>GIS Apps</th>
<th>Co-Op</th>
</tr>
</thead>
<tbody>
<tr>
<td>Central</td>
<td>41/39</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>Doss</td>
<td>4/0/3</td>
<td>0</td>
<td>1/2/2</td>
</tr>
<tr>
<td>Southern</td>
<td>2/6</td>
<td>3/3/0</td>
<td>n/a</td>
</tr>
<tr>
<td>Valley</td>
<td>n/a</td>
<td>0/0/18</td>
<td>n/a</td>
</tr>
<tr>
<td>Western</td>
<td>n/a</td>
<td>10/8</td>
<td>n/a</td>
</tr>
</tbody>
</table>
Observations and Trends

• GIS numbers are low... losing pipeline.

• Program closures and teacher turnover.

• Movement towards integration with history and science.

• Funding source drying up.
Plan

• Integrate GIS into other disciplines through cross curricular activities.

• Allow access to GIS programs outside of CTE classroom via RemoteApp virtualization
Plan

- Align curriculum with KCTCS GIS 120 for dual credit opportunity.

- Ask business / post-secondary community for help and support.
Community Involvement Opportunities

• Sponsor Map Day in the Spring.
• Volunteer for school based advisory committees.
• Participate in class based school activities (guest speaker, field trips, equipment and time donations, etc.).
• Lead teacher Cohort group training.
• Talk with your organization about supporting GIS programs at JCPS.
Conclusion

• Questions?

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