

# 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

School	Total # student enrollment
Doss	7
Southern	7

Number of students enrolled in GIS Classes

Source: Infinite Campus database

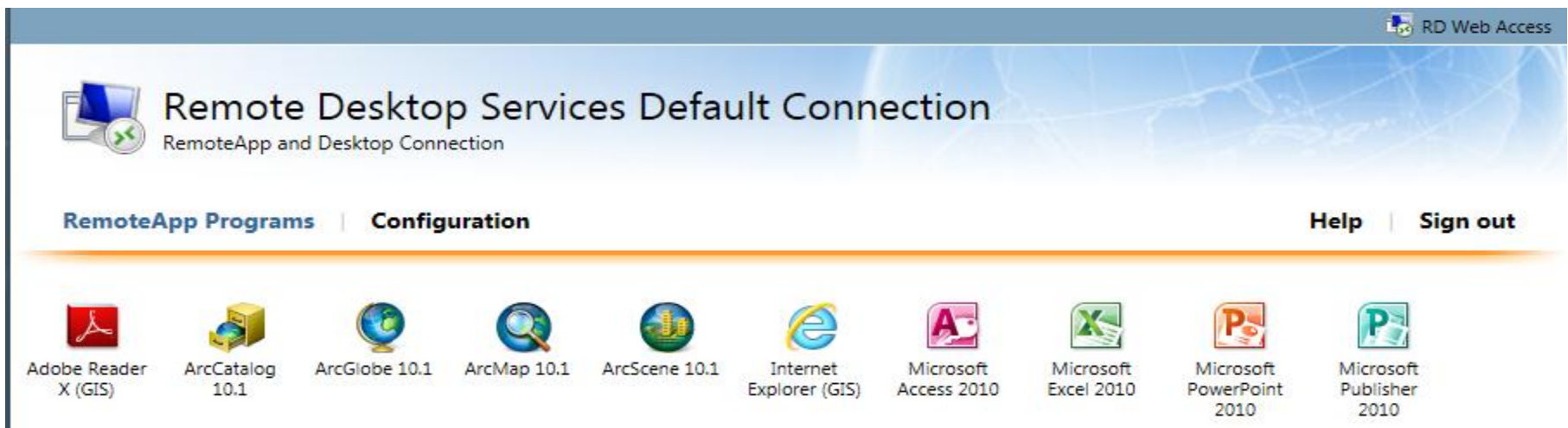
School	ArcView	GIS Apps	Co-Op
Central	41/39	n/a	n/a
Doss	4/0/3	0	1/2/2
Southern	2/6	3/3/0	n/a
Valley	n/a	0/0/18	n/a
Western	n/a	10/8	n/a

# 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



The screenshot displays a Remote Desktop Services Default Connection interface. At the top right, there is a small icon and the text "RD Web Access". Below this, the main title is "Remote Desktop Services Default Connection" with the subtitle "RemoteApp and Desktop Connection". A navigation bar contains "RemoteApp Programs" (highlighted in blue), "Configuration", "Help", and "Sign out". The main area features a row of application icons with their names and versions below them: Adobe Reader X (GIS), ArcCatalog 10.1, ArcGlobe 10.1, ArcMap 10.1, ArcScene 10.1, Internet Explorer (GIS), Microsoft Access 2010, Microsoft Excel 2010, Microsoft PowerPoint 2010, and Microsoft Publisher 2010.

# 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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