Instructional Technology Leadership

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http://goo.gl/SxDJz2

Instructional Technology Specialists
Our Background

High School Science Teacher

Smith-Cotton Graduates

Elementary Teacher

Ed Specialist in Administration

High School English Teacher

Masters in English

Masters in Educational Technology

Masters in Teaching

Ed Specialist in Educational Technology

Instructional Technology Specialists

NOW

Instructional Coach

Testing Coordinator

MU Fellowship Mentor

Instructional Technology Specialists

About **5X** as many as during Shakespeare's time

Sedalia District 200 Technology Services Mission Statement

The goal and mission of the Sedalia School District #200 technology plan is to incorporate technology into the educational environment in such a way that it will encourage problem solving, exploration, and learning in the classroom; promote student-centered learning; provide access to appropriate technology for all students and staff; restructure the learning environment; increase student achievement; support a comprehensive information system; encourage communication; develop lifelong learners, improve faculty and staff productivity, and provide the opportunity for faculty and staff to model appropriate technology usage.

Changes in Student Enrollment

School Year	Student Enrollment
2008-2009	4588
2009-2010	4609
2010-2011	4676
2011-2012	4699
2012-2013	4838
2013-2014	4933
2014-2015	4940

District Technology Changes

2008

→ No student email

→ 16 servers

→ Around 10% of classrooms have projectors

→ No student response systems

→ 1900 laptop/computers

2015

→ Added student exchange server/email 2nd-12th grade
→ 35 servers
→ Saturated wireless BYOD
→ Over 90% of classrooms have projectors
→ 230 wireless access points
→ 95 clicker sets
→ 2356 laptop/computers
→ 244 tablets
→ 135 mobis/smart slates
→ 233 iPads

Changes in Technology Staff

2008

- One Technology Director

- One Technician

- No Instructional Technology Specialists

2015

- One Technology Director

- Three Technicians

- Three Instructional Technology Specialists

The Hangers-On

Hangers-on know all the right lingo, attend all the seminars, but just don't actually do anything.

The Pencil Metaphor

Adapted from:

http://www.teachers.ash.org.au/lindy/pencil/pencil.htm

The Erasers

These people endeavour to undo much, if not all of the work done by the leaders.

The Ferrules

These people hang on tightly to what they know. They keep a strong grip on their traditional teaching practices and feel that there is not a place for the technology in their classroom.

The Wood

These people would use the technology if someone would just give them the gear, set it up, train them and keep it running. All they need is help from some sharp person and they would be doing it too.

The Sharp Ones

These are the people who see what the early adopters have done, willingly grab the best of it, learn from the mistakes of others and do great stuff with their students.

The Leaders

These people are the first to take on the technology, the early adopters who usually document and enthusiastically share what they have tried, warts and all.

What are Instructional Technology Specialists?

Research, Find & Test New Technology

- Stay Up-to-date
- Professional Development
- Personal Learning Network
- Try it out

Provide Support for Teaching and Learning

- ITS have background in core content areas

- Serve as a resource

- Partnership approach vs. Top down approach

- What is best for students?

Argument Essay Teacher Version ☆ 📁

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of students making fun of a boy who you know has special needs. The
group in charge of making fun of the student has a reputation for bullying
and holding grudges against others who get in their way. Everyone knows
not to mess with them. Yet, you know that what they are doing is wrong.
Do you risk becoming the target for this group of students and help the
boy? Or, do you fly under the radar and avoid drawing attention to
yourself? Unfortunately, students are faced with this dilemma every
day. Most kids and teenagers know what is right and wrong, but
because of the need to fit in and the fear of getting on someone's
bad side, many students choose to ignore these encounters and play it
safe. Although it may be hard to stand up for someone, it is important
to intervene when there is trouble and you can do something to help
stop it.

    It may be difficult for students to put their own reputations on the line
in order to help fellow students. This seems to be especially challenging
for students at the middle school level. Research shows that this age
group of students is more aware of their social surroundings and

Hook

Transition /Issue

Thesis

First point with support

Improve Instructional Effectiveness and Efficiency

- Supplement pencil/paper activities

- Appealing presentation of material

- Provide 21st century skills

- Teacher Evaluation

Provide One on One Attention

- Partner with teachers to improve instruction

- Make suggestions

- Create lessons together

- Co-teach

- Engage students

Model Technology Use for Teachers

- Lead classes on technology usage

- Share the role of teacher

- Blending tech with content

Provide Tutorials, Videos, Handouts

- how to tutorials
- step by step handouts
- teacher spotlight videos

Promote District Technology Initiatives

QR CODES

Nearpod

Note Taking

Video

*Superintendent and Administrative Support

- BYOD
  - trainings
  - suggestions
  - support groups
- Cloud Based Assessment Software
  - trainings
  - provide assistance
  - provide updates

Staff Professional Development

- <u>needs assessments</u>

- provide training based on <u>teacher need</u>

- communicate with district leaders

-PD needs to be:

★ flexible
★ respectful (no matter their level/knowledge)
★ differentiated
★ worthwhile
★ engaging
★ about the students
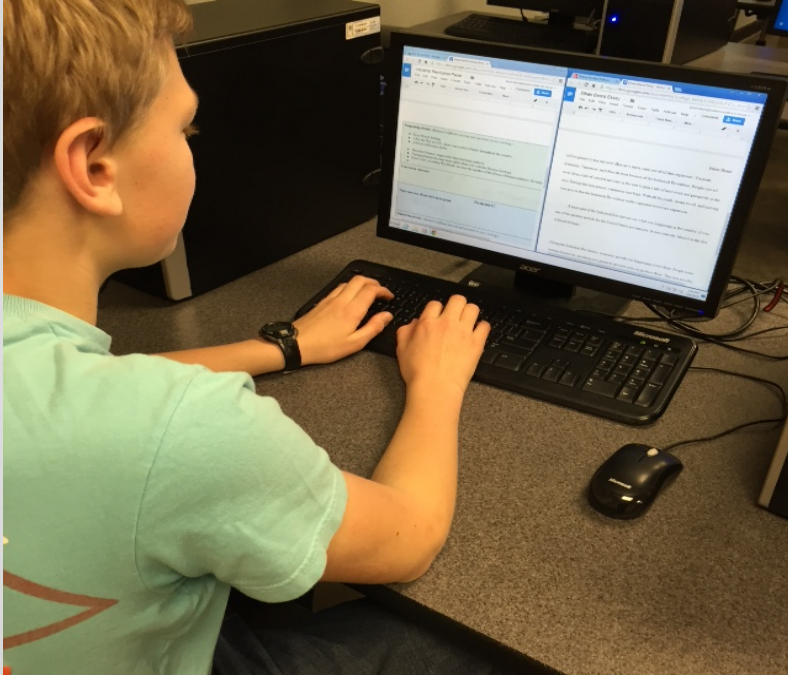

Driving Question: How will this support students?

A day in the life of an Instructional Technology Specialist...

Instructional Technology Specialists

- High School History Class

- "The Wood" teacher

- Co-Teaching

- Student Perception

- Teacher Feedback

- Domino Effect

Instructional Technology Specialist

- Middle School Social Studies Class

- "The Lead" Teacher

- ITS Created Foundation of Activity

- Blended Content Knowledge with Technology

- Co-Taught Lesson

Research Essay

Instructional Technology Specialist

- Monthly PD for all elementary buildings during their planning time.
  - <u>Agenda</u>
  - Familiarity, build relationships

- Possible content:
  -
  - web 2.0 tools
  - anything from the needs-based assessment

- Time for questions or help in their rooms if necessary

- Follow up with teachers/plan future meetings

Future Goals

-create a tech leadership team

-a representative from each grade level per building

-identify who, entice them, inspire them, and empower them

-communication between tech teams, IT, and central office

What staff members are saying....

Do you feel it is important to have an instructional technology leader present in your building or district?

"Yes, they need to spend time showing the teachers and students how to implement and use certain types of tools that are available to us."

"Yes! There There are many interesting technological teaching strategies I have found and am not sure how to implement. Ashley is very helpful in helping research and implement new ideas in my classroom."

"Absolutely! We need someone who can show us how to best use the tools we have available. Who has time to figure it all out on their own?"

What staff members are saying....

Do you feel it is important to have an instructional technology leader present in your building or district?

"Yes- I don't have time to research these methods on my own."

"Yes, I have relied on the instructional technology leader for many problematic situation while trying to incorporate new technology in the classroom."

"ABSOLUTELY. Many teachers struggle to find ways to incorporate tech into their best lessons. I.T. leaders have clever & original ideas to make tech a part of those lessons."

Being a leader is too big of a job to do by ourselves. We have to work together.