


Technology Audits




**Evaluating Technology
Programs and Projects**

- 
- Recording
 - Additional materials
 - Interaction
 - Who we are

Getting Started



- What is an audit?
 - Systematic review of a program or initiative
- Why audit?
 - Assess your initiative's progress against goals, standards, expected outcomes
 - Validate funding decisions
 - Develop priorities for moving ahead

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- Understanding how the pieces of your program work, and ***why*** they're working
 - Documenting and measuring progress within the context of knowing what you want to accomplish and how you want to do it

Quick Poll



- If your point is to measure progress...
- *How do you currently measure progress in your technology program?*

3 Steps for Technology Auditing or Evaluation






What's an Indicator?



- An indicator describes what it looks like when you achieve your goal – i.e., when your digital learning project or district plan is successful.

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- Indicator Statements delineate evidence
 - Student actions/work/outcomes
 - Teacher actions such as pedagogy and/or professional development
 - Infrastructure/technology

Two Examples

- School pilot project
 - 2nd and 3rd grade math project using iPads




- District-wide audit of a digital learning plan
 - Technology supports 21st century learning




Pilot Project Example





- A school-based initiative that pilots the use of iPads to support a specific learning objective

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- iPad Project Goal = 2nd and 3rd grade students will use iPads to manipulate 3D shapes to improve their understanding of basic geometric concepts.

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- *Using the chat function, please share some things that you would LOOK FOR as indicators of the effective use of iPads to meet this project goal.*



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- Students explore and engage actively with mathematical concepts through the manipulation interactive geometric models.
 - Students have ready access to the required hardware and software to engage with the pilot's content.
 - Teacher PD successfully models the use of technology for student-centered learning, and helps teachers identify interactive approaches to enhance student learning.
 - Student assessments show that they have mastered the math concepts targeted by the pilot initiative's curriculum.

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- Because they focus on evidence, the indicators you use should provide descriptions of the things that you would...
 - **See** student and teachers do
 - **Count** as occurrences, devices, etc.
 - **Hear** students, teachers, parents, etc. say
 - **Assess** as evidence of student learning

District Audit Example

- An evaluation of a district's Digital Learning Plan





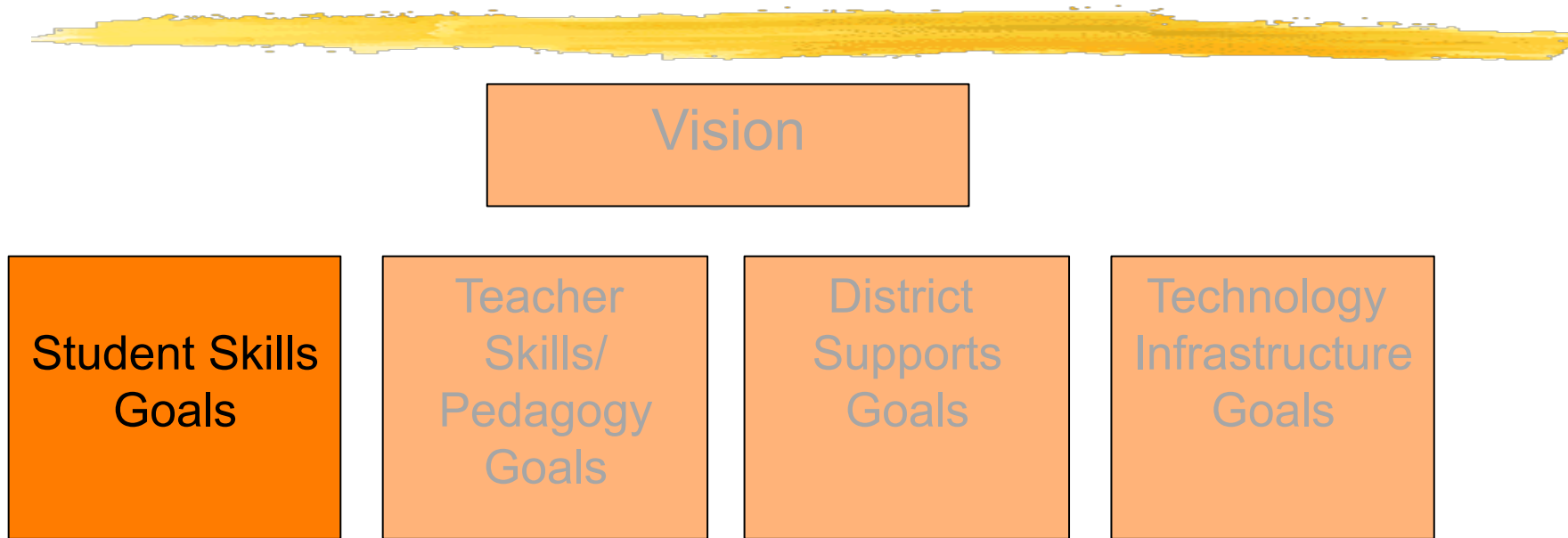
Vision

Student Skills
Goals


Teacher
Skills/
Pedagogy
Goals

District
Supports
Goals

Technology
Infrastructure
Goals



District students will utilize instructional technology across all grade levels and content areas to develop 21st century skills supportive of their lifelong learning and success.



■ *What evidence would you look for to indicate that students are developing 21st century learning skills?*

District students will utilize instructional technology across all grade levels and content areas to develop 21st century skills supportive of their lifelong learning and success.





■ 4 Cs

- Collaboration, Critical Thinking, Creativity, Communication

- Information Literacy

- Problem-Solving/Inquiry



Vision

Student Skills
Goals

Teacher
Skills/
Pedagogy
Goals

District
Supports
Goals

Technology
Infrastructure
Goals

Questions about Indicators?





Data Collection



- Data collection is guided by indicators
 - The words that are in your indicators are the words that you're looking for via your survey, interview, focus group, etc. questions

Data Collection

Questions about patterns of student tech use


Observations of students engaged in tech use

Questions about student access to tech tools and resources

Data on student achievement and outcomes

Indicator words and ideas:

- Critical Thinking
- Problem-Solving
- Information Literacy
- Technology Access

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- Quantitative as well as qualitative
 - Qualitative helps describe why things are happening
 - Multiple data sources allow for comparison, contrast, confirmation
 - Survey
 - Observation
 - Interview
 - Focus Group



■ *Questions about Data Collection?*



Analysis



- Compare data to indicators
 - Analysis generates findings
 - Reflection
- Reporting
 - Consider your intentions and purpose for evaluating

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- *Questions about Analysis...or other aspects of auditing and evaluation.*

