Lenovo Education
Leveraging the Chaos

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Nothing could be more absurd than an experiment in which computers are placed in a classroom where nothing else is changed.

Seymour Papert, 1993
Evolving Classrooms
Active Learning Spaces

“Active learning spaces support collaboration and interaction… Create the most effective adaptable learning environments to meet the evolving needs of students and educators.”
What Do Classroom Learning Spaces Look Like?

Four Types of Learning Spaces (From David Thornburg's *Campfires in Cyberspace*):

- **Campfires**: Places to learn from presenters and discuss ideas as a whole group.
- **Watering Holes**: Places for small group collaboration.
- **Caves**: Places for independent study, reflection, and creativity.
- **Life**: Places to apply knowledge to the real world and learn from experts.

Teachers need to fluidly provide both digital and non-digital environments for students to engage in ALL forms of learning in- and out-of the classroom. How quickly can teachers transition from various modalities of learning?
Supporting Direct Instruction

Direct Instruction is when a teacher is presenting content to students (traditional lecture)
• One to Many interaction
• Bi-directional flow of content
• Just-in-time formative assessment
• Analytics and Dashboards
• Import existing content
• Personalized/Group based differentiation
• Integrated in to SIS/LMS

ClassFlow
Pear Deck
Formative
Socrative
Office Mix
Untether: Intel WiDi and Unite
Classroom Management

Focusing on managing the use of devices in class to reduce distraction and optimize behavior
- Observe and control student devices
- Blank screens/Push screen content
- Limit application use/web use
- Communicate via chat
- Polling/Assessment
- Integrate with SIS for rosters
- Analytics/Dashboard summary for class activity

LanSchool by Lenovo
Supporting Individualized Learning

Leveraging technology for self-paced, student-centered learning.
- One on One
- Customizable, Adaptive
- Just-in-time formative assessment
- Analytics and Dashboards
- Differentiation and Remediation
- Integrated in to SIS/LMS
Managing Learning in the Cloud

The time for USB flash drives has come and gone. Classroom are moving from local storage of files to cloud-based storage solutions. Teachers develop proficiency in:

- Navigating new cloud storage systems
- Accessing files from different devices
- Sharing and collaborating on files with others
- Finding solutions to working offline

Solutions include:

- OneDrive
- Office 365
- Google Apps for Education
Hapara Instructional Suite: Managing Digital Clutter

**Transform** productivity applications into a platform for teaching and learning.

**Streamline** teaching and school operations by making Google Apps for Education more useful and usable.

**Organize** students into groups and observe their progress in summary panels.

**Improve** mastery and skills development through formative feedback as it’s needed.

**Support** student success by providing parents with view-only access to project work.

**Guide** student progress throughout their learning process.
Investing in the People
Professional Development: Understanding The Shift

TPACK

- **Content**: concepts/skills
- **Pedagogy**: strategies/methods
- **Technology**: tools/platforms/software

**TPCK**

- PCK: How do the chosen teaching strategies allow students to meet the skill and content objectives?
- TCK: How is the subject matter better illuminated by the use of this technology? Is this the most effective tool to teach the content and skills?
- TPCK: Is this the best technological tool for the chosen teaching strategy? Why or why not?

**TPK**

- TP: is this the best technological tool for the chosen teaching strategy? Why or why not?