Creating Mobile Learning Environments
Teaching 21st Century Students

BYOT
Bring Your Own Technology

BYOD
(Bring Your Own Device)
If you don’t get ANYTHING else today
GET THIS...

Technology is the tool, NOT the Focus

Technology cannot, by itself, create 21st Century Learning Environments... but it can be a powerful leverage for change.
Why Not Create Mobile Learning?
Why Not Create Mobile Learning?

**BARRIERS**

- Software and compatibility issues
- Support
- Battery Life
- Students not using technology appropriately
- Difficult to enforce an AUP
- Pirating and copyright
- Distractions
- Small Screens
- TRUST -- teachers, students, administrators
- Money for training
- Not all students have a device
- Costs to upgrade wireless network
- Teachers don’t know how to manage
- District personnel don’t know how to manage
- Problem behavior and student safety
- Liability
Why Not Create Mobile Learning?
Why Not Create Mobile Learning?

• 21st Century Learning
• Students have access outside the school day
• Need more devices in classrooms
• Students need to be engaged
• Research is showing that technology has an impact on student learning

• Becoming more feasible
• As technology advances, so do the opportunities for mobile learning
• Attitudes of educators, parents and policy-makers are increasing

DRIVERS
Essential Conditions

- Visionary Leadership and Commitment
- Robust Technology Capacity
- Professional Development
- Scalability
- Policies that Promote and Support the Initiative
Visionary Leadership

- Promote NOT as a technology initiative but as an educational initiative
- Include all stakeholders (curriculum, technology, parents, students, teachers)
- Set clear goals, intended outcomes, expected benefits and risks
- Identify curricular goals
Robust Technology Capacity

- Analysis of capacity of existing technological infrastructure
- Plan for new demands
- Must have wireless access on campus
- Security and Privacy Considerations
Professional Development

• Most teachers not trained in connecting curriculum to mobile learning
• Teachers must be able to use mobile technologies to change teaching and learning
• Not about replacing print resources with digital ones
• Can’t have an over reliance on the technology to produce results
• Must have fundamental changes in instructional strategies
• Teachers need constant support
• Funding must be included as part of overall plan for PD
The 5 C’s

“I already have so much to do, I can’t add one more thing to my day.”

“I don’t have time to integrate technology into my classroom.”

“I don’t know what technology integration looks like.”
“We need more time to discover; discover new Web tools, discover new websites, new delivery methods.”

“We need opportunities for innovative learning projects to be discussed and planned.”

“We need time to assimilate new concepts, like student involvement in unit development.”

“We need to continue to develop resources that introduce effective technology to our staff.”
Scalability

• ‘Start Small, Think Big’ Mentality
• Small scale will help decrease risk and hasten recovery
• Technology capacity should be addressed at the outset
• Gain momentum from the small successes
• Acceptable Use vs. Responsible Use
• Don’t make policies too restrictive (i.e., the types of devices allowed)
• Language should be more INclusive than EXclusive
1. Don’t wait till the last minute to train staff.
2. Don’t expect it to go perfectly the first day.
3. Don’t roll out every app known to man at the same time on the same day.
4. Don’t try to control everything -- these are not PC’s.
5. Don’t expect teaching to change immediately.
6. Don’t assume the entire community will be on board.
7. Don’t evaluate the program solely with test scores.
8. Don’t limit staff training to the summer.
9. Don’t expect email to be the best option for submitting work.
10. Don’t let fear overcome your mission!
7 Habits of Highly Effective Education Leaders

• Create an Atmosphere that Inspires Innovation
• Foster Collaboration
• Be Open to New Ideas
• Be a Connected Learner Yourself
• Locate and Provide Adequate Resources
• Take Risks
• Have a Visionary Focus
Research Says:
It takes **12 Days** of Professional Development with Teachers to change their teaching practices to include transformative technologies in the classroom.
How do we create a rigorous, relevant, student–centered learning environment that better prepares all students for the 21st Century?

Our Challenge
"CAN'T
We should not keep students prisoners of their teacher's past by blocking and banning them from using the tools and sites they need to succeed in the real world."

-@InnovativeEdu Lisa Nielsen

Here is Where We Start
Rita Ayers
i21Zone Specialist
Chalkable
rayers@chalkable.com