

# Mobile Learning Action Plan

Intel® Teach Elements: Moving into Mobile Learning



## Moving into Mobile Learning Action Plan

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## Module 1: Introduction to Mobile Learning

### Lesson 1: Mobile Learning and Personalization

#### Activity 3: Mobile Devices in Education

Estimated Time: 10 minutes

Considering your current situation, what are your goals for implementing mobile learning strategies with your students? Record your ideas below.

*I've been using laptops with my students long enough that now I'm ready to try some new ideas. I really want to give my students more opportunities to experiment with the apps and tools that mobile learning offers. I'd like to work on designing projects that give students more choices. And I'd also like to find ways to use my own tablet and smartphone to improve my teaching and my students' learning.*

## Module 1: Introduction to Mobile Learning

### Lesson 2: Why Mobile Learning Matters

#### Activity 2: Personalization of Learning

Estimated Time: 10 minutes

Which of the following trends have you seen in your environment?

Describe some examples of the following trends that you have seen in your school environment.

Trends	Examples
Technology is part of nearly every aspect of modern life.	<i>The obvious answer to this is the way that students go immediately for their cell phones at lunchtime and after school. Parents depend on phones to keep track of their kids' busy lives. We've used the Internet for research on consumer products and medical issues for years, and one of my colleagues met her fiancé through an online dating site! Technology is pretty much everywhere these days.</i>
Education is shifting to more online and blended-learning models.	<i>We haven't seen much pure online learning at the middle school, but there is a push at the high school for students to take advanced or make-up courses online. In some ways my classes could be considered blended learning because with the laptops, I've designed quite a few activities for students to do at home online that we used to do in the classroom.</i>
Educational institutions and organizations are supporting active-learning instructional approaches.	<i>I've seen some mixed messages on this trend. We have had several professional development courses that focus on putting students at the center of instruction and relegating teachers to the role of facilitator or coach. I've moved in that direction myself. But I've noticed that sometimes administrators, mostly from outside our school, seem to disapprove of the noise and apparent chaos that</i>

	<i>sometimes characterize active learning. There's a lot of education that needs to take place on all fronts on this topic.</i>
Learners of all ages expect to personalize their own learning programs and experiences.	<i>As an adult learner, I have found many opportunities to use technology to enhance my learning. I've loved listening to a podcast on the history of China, something I've always been interested in. I've also watched DIY videos on plumbing repairs that saved me a lot of money! Some of my students who really enjoy writing have joined online writing groups, mostly for fan fiction, where they share their work and get feedback. I've seen how their writing for class has improved because of that practice.</i>

How do you anticipate that these trends will affect your teaching and your students' learning in the future?

*I can only see technology's role in our lives increasing as we turn more and more to online resources for help and support and as technology becomes more sophisticated and efficient. My students, who have never really known a world without the Internet or cell phones, incorporate technology without even thinking about it into their schoolwork and their lives. I think it will be amazing to see what the kids of today come up with as they grow into adulthood.*

*I think both writing and reading instruction will have to change as technology grows. The 5-paragraph essay will become a thing of the past, if it hasn't already, as we have to prepare students for different ways of expressing their ideas. I worry that the flash and entertainment value of media will detract from the kind of critical thinking that will be important in the future, and it will be up to us in education to make sure we achieve a balance.*

## Module 1: Introduction to Mobile Learning

### Lesson 3: Mobile Learning Initiatives

#### Activity 2: Getting Started with Mobile Learning

Estimated Time: 10 minutes

Create a vision statement that will help you communicate with stakeholders and guide your implementation of mobile learning.

#### Vision Statement

*The Right Path for Each Learner*

*Our one-to-one laptop program will allow us to design instruction that develops deep understanding, transfer, and application of subject-area knowledge; promotes engagement and self-direction; and prepares students for work and life in the 21st century.*

## Module 1: Introduction to Mobile Learning

### Lesson 4: Implementation of Mobile Learning

#### Activity 2: Models of Mobile Learning

Estimated Time: 10 minutes

What steps will you take to begin the process of implementing mobile learning?

<b>Step 1</b>	<i>Not applicable because one-to-one program has already been implemented</i>
<b>Step 2</b>	
<b>Step 3</b>	

What challenges do you anticipate and how will you meet them?

Challenge	Solution Strategy
<i>Some parents and community members don't understand why we have such an expensive initiative when many basic needs aren't being met in our school district.</i>	<i>I need to make the benefits more visible. I can do more to publicize students' work around the town and talk about what they are accomplishing.</i>

## Module 1: Introduction to Mobile Learning

Lesson 5: Module Review

Activity 1: Module Summary

Estimated Time: 5 minutes

Reflect on your learning in this module.

*Even though I've been involved in a mobile learning program for a couple years, it was good to go back and think about how and why things happened the way they did. I realize that I thought I was ready because I understood the technology, but I didn't realize the other changes that I would need to make for the program to be a success. That part was much harder than learning about different apps and tools.*

## Module 2: Mobile Learning Implementation

Lesson 1: Paths to Mobile Learning

Activity 4: Mobile Learning in Practice

Estimated Time: 15 minutes

Consider how ready you, your school, and your students are for mobile learning. What are the opportunities and challenges?

Opportunities	Challenges
<i>We have an established, successful one-to-one program.</i>	<i>A core group of parents object to the very idea of laptops for every student. They need to be convinced of the value.</i>
<i>We have supportive administrators at the school and district level.</i>	<i>Our infrastructure isn't as robust as it could be. Sometimes we have problems with the laptops we have connected now, so having more of them could be a problem.</i>

What skills will you need to develop in order to move forward?

*I could stand to improve my technology skills, but as far as instruction goes, I need to get better at creating activities that really focus on Common Core standards in an authentic way.*

## Module 2: Mobile Learning Implementation

### Lesson 2: Learning in a Personalized, Mobile Environment

#### Activity 5: Assessment and Mobile Learning

Estimated Time: 15 minutes

Consider how you would like to add mobile learning to your curriculum. What ideas do you have for a unit to develop or modify?

*I would like to do more with mobile learning in my mythology unit.*

## Module 2: Mobile Learning Implementation

### Lesson 3: Basic Apps and Tools for Personalization

#### Activity 2: Basic Apps for Mobile Learning

Estimated Time: 15 minutes

Describe your unit from a student's perspective.

- 1. First, I'll read some myths on my laptop and use my smartphone to take a quiz about what I read.*
- 2. With my laptop and my tablet at home, I looked for artifacts related to mythology and discussed them with my classmates on our school's social media site.*
- 3. I worked with a group to write a modern day myth and then created a presentation of the myth with video and music that we edited on our laptops.*

What activities, processes, or routines will be mobile?

*Reading comprehension quiz*  
*Reading myths*  
*Online discussions about artifacts*  
*Writing the myth collaboratively*  
*Creating a presentation collaboratively*

What apps and devices will be used?

Apps	Devices
<i>Quiz app</i> <i>Google Docs for collaborative writing</i> <i>Camera</i>	<i>Laptops</i> <i>Smartphones (when available)</i> <i>Tablets (when available)</i>

What assessment will be conducted and by whom?

Assessments	Assessor
<i>In-class poll and online quiz</i>	<i>Teacher</i>
<i>Project checklist</i>	<i>Student self-assessment</i>
<i>Project rubric</i>	<i>Student self-assessment, peer assessment, and teacher grade</i>
<i>Self-direction checklist</i>	<i>Student self-assessment</i>

## Module 2: Mobile Learning Implementation

Lesson 4: Module Review

Activity 1: Module Summary

Estimated Time: 5 minutes

Reflect on your learning in this module.

*It was fun to take a "tried and true" unit like my mythology unit and think of all the ways I could add mobile learning. I was really surprised at how many different ways I could think to add it. A couple students I had last year dropped by after school one night, and I asked them how they would have liked to use their mobile devices with that unit, and they had lots of ideas. It turns out that they were already using them even when I hadn't expected it!*

## Module 3: Management of the Mobile Learning Environment

### Lesson 1: School and Classroom Policies

#### Activity 2: Online Safety and Security

Estimated Time: 10 minutes

How does your school's AUP (or RUP) address issues related to a mobile environment?

*Our AUP is pretty traditional. Kids aren't allowed to use mobile devices in class. The district also keeps a pretty tight rein on what they can do with their laptops when they're out of the school environment. Sometimes that has caused problems.*

What steps could you take to deal with any issues that might arise with school policy? What safety and security issues do you anticipate with the use of mobile devices and how will you address them?

Issues	Steps
<i>Because of our district's filtering software, sometimes students can't access Web sites that they want for perfectly legitimate reasons.</i>	<i>Have students prepare a presentation for our administrators explaining the problems they're having and why they need to access the sites. This will be a good argumentative writing task for them with a real audience.</i>
<i>Sometimes students exclude certain students from online discussions in subtle and not-so-subtle ways.</i>	<i>Address the issue the same way I would if students choose their own groups and deliberately do not include some students. I would explain why it's important to be inclusive and then monitor interactions to make sure everyone is participating. I'll give them feedback and make it part of their grade if necessary.</i>

## Module 3: Management of the Mobile Learning Environment

### Lesson 2: Classroom Management in the Mobile Learning Environment

#### Activity 1: Challenges and Solutions for Managing Mobile Learning

Estimated Time: 10 minutes

What issues do you anticipate in managing your classroom with mobile devices? What strategies will you use to manage your mobile learning environment?



Issues	Strategies to Address
<i>Sometimes I wonder what I will do if I have a few students who are very advanced and comfortable with the technology, and another group of students who are at a basic level. How will I keep the advanced students engaged while I help the other students? I don't want the students getting bored, since that may lead them to accessing inappropriate sites or playing games.</i>	<i>I could use mini-lessons to teach key technology skills that my students will need for an upcoming activity. It might also be helpful to identify the more advanced students and use heterogeneous grouping for group activities. I wonder if I could find instructional videos and web sites to pre-teach a specific skill that students will need in class? Then I could assign it as homework to complete prior to the lesson.</i>
<i>Since beginning the laptop program, I've noticed that many of my students also pull out their smartphones to access apps for quick information they need during class. They are so familiar with using apps on their phones for everything, so it seems like a natural part of their learning process. The issue is that they often get sidetracked and end up spending class time quickly checking their email or text messages.</i>	<i>I should make sure that my students have a clear focus and goal in mind for the end of the class period. That way, they can choose to self-manage their own time as long as they are meeting their goals and doing quality work. Time management and self-discipline are important skills that I can help them learn.</i>

## Module 3: Management of the Mobile Learning Environment

### Lesson 3: Module Review

#### Activity 1: Module Summary

Estimated Time: 5 minutes

Reflect on your learning in this module.

*This was a nice, practical module. The problems you have with classroom management with laptops are just variations on regular classroom management issues. It's good to think about the different ways we can use the tools available to keep students on track and engaged, while still developing their self-direction skills.*

## Course Wrap-Up

### Summary

Estimated Time: 15 minutes

How will you use the ideas presented in the course?

*I'm just at the beginning of thinking about how best to use the laptops in the best way for student learning. I'm excited about how to design more projects that engage students in critical reading and writing, especially in light of the English Language Arts Common Core Standards. I also want to explore the apps that can help my students use their creativity to think about how they read, write, and communicate.*