MLTI Participation Packet 2016

For more information, please visit:
http://www.maine.gov/doe/mlti/participation

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MLTI Apple Primary Solution

Information and Opt-in Instructions

April 22, 2016

Instructions for the 2016 Apple MLTI Opt-in

The final steps for opting into MLTI for an Apple Solution will be performed online at http://www.maine.gov/doe/mlti/participation. Once the opt-in period opens, Superintendents will be sent a code for signing into the database to place the order.

Before making the commitment to opt in, schools may use the order calculator on the deployment website to explore the local cost of selecting various options and numbers of seats. Using the order calculator does not convey any information to the Department, and does not constitute opt-in.

Opt-in Period Begins: April 25, 2016

Opt-in Deadline: June 1, 2016 – 5PM

Anticipated Equipment Shipments: mid July 2016

Online Steps

1. Fill out the Order Form at http://www.maine.gov/doe/mlti/participation.
    a. For each grade span (K-6, 7-8 and 9-12), indicate whether you are selecting the Apple Primary solution, Apple Alternate solution, or you are not participating at that grade span.
    b. For each grade span, select the grades that you are opting in to MLTI in 2016 and enter the number of seats you wish to order for the grade span for students and for staff.
        i. For staff, you will be asked to determine how many of the seats ordered are for "eligible" staff and how many are "ineligible". This relates to eligibility for state funding support.
        ii. To help you determine how many student seats to order, the order form shows you the October 1, 2015 enrollment in all the grades in your school. This is for reference only. Keep in mind that this is for the current grades, not next year's grades.

2. Sign and return the MLTI Participation Agreement**
    a. Have your superintendent read and sign the participation agreement.
    b. Return the signed Participation Agreement to MLTI by mail, FAX or email of scanned document.

3. Complete the MLTI Shipping Information Form as part of the online order
    a. Provide information to assist the Provider in shipping equipment to your school
    b. Specify the technical contact person who will be available for delivery of your MLTI order

** The signed Participation Agreement should be returned to the Department of Education via (1) Fax 877-494-MLTI (6584); (2) emailed (scanned document) to mlti.orders@maine.gov or (3) by mail to Department of Education , State House Station 23 , Augusta, ME 04333-0023 ATTN: MLTI PROJECT OFFICE.

Once your signed Participation Agreement is submitted, the MLTI Team will review your order and send an email to the Superintendent confirming receipt and to validate information on the forms, as needed.

MLTI Apple Primary Solution*

Professional Learning

Apple Professional Learning (APL) brings educational experience and curriculum knowledge to every opportunity to support improved teaching and learning. With over 14 years of collaborative work in Maine, the APL team is comprised of trained educators with years of classroom and leadership experience. APL delivers comprehensive and flexible professional development opportunities focused on supporting classroom teachers along with building and district leaders.

The comprehensive Professional Development plan outlined in this solution focuses on teaching and learning best practices underpinned by a long-term association with the SAMR Model, learned from the work done with MLTI.

In addition to direct contact with Apple Professional Learning Specialists, schools choosing to take advantage of the 2016 MLTI Refresh will be asked to identify an MLTI Teacher Leader - an educator who is an innovative and effective user of the Apple MLTI devices in the real world of school. These MLTI Teacher Leaders will be provided enhanced opportunities for growing their skills, content, and connections. These opportunities and the connections created will support both the MLTI Teacher Leader and their school in making the most of the opportunities provided through participation in the 2016 MLTI Refresh. This person will also be a learning-focused communication conduit who will support their schools in making the most of their participation in the 2016 MLTI Refresh.

The MLTI Teacher Leaders will be supported as a cadre—connected to each other in order to help innovative and effective ideas spread across the state of Maine. They will have an opportunity to attend regional and/or statewide gatherings, where they will be provided opportunities to grow their skills and knowledge around innovative and effective uses of Apple MLTI devices in the classroom.

An emphasis on hands-on, engaging learning is foundational to the offerings outlined from Apple Professional Learning. Whether through the use of online resources from iTunes U, face-to-face engagement in a traditional workshop setting, shoulder-to-shoulder work in the classroom, or as part of the Apple Principal Academies, or as part of the MLTI Teacher Leader cadre, Apple's comprehensive Professional Development plan is ready to take Maine educators and their students to new levels of capability, innovation, and effectiveness.

** The information contained herein is for informational purposes only and does not constitute an offer by Apple, nor does it expand, diminish or otherwise effect the terms and conditions of any agreement between Apple and the Maine Department of Education. Product information is as of April 2016 and is subject to change.*

Personal Digital Device

Students (requires full grade deployment): 9.7-inch iPad Pro

The 9.7-inch iPad Pro changes the way teachers teach and students learn. It's thin and light, so your students can take learning way beyond the classroom. The 64-bit A9X chip gives iPad Pro the power to easily take on tasks once reserved for workstations and PCs. Despite this barrier-breaking performance, the A9X chip's efficient architecture enables up to 10 hours of battery life. You can download free Apple-designed apps for creativity and productivity on your iPad, giving you more ways to inspire all-new lessons and learning experiences. Turn your classroom into a newsroom with Pages. Reimagine an existing assignment as a documentary film with iMovie. Have your students set their poetry to music with GarageBand. Or change lab period into a science fair, using 3D charts and video presentations, with Keynote.

There are over 170,000 iPad apps designed specifically for education. Connect iPad to a microscope to capture, edit, and save video and time-lapse images of cell division. Use the camera and microphone to take photos and record sound effects to personalize flashcards for more memorable study. Or rotate iPad for a 360-degree view of the Great Pyramids of Giza. In addition, apps and services you or your students might already use, like Google Docs, Google Drive, Microsoft Office, and Dropbox, work great on iPad. iOS is the world's most advanced mobile operating system, and it's designed to help you get the most out of iPad. It also comes with great features for education that work together. Picture in Picture lets students scale down a video to open a second app, so they can continue watching a lecture while working on a presentation. Split View lets students work in two apps at the same time, so they can use Maps with Flyover to take an interactive 3D tour of Rome, while using Notes to document their findings. And the built-in dictionary allows students to tap and learn the definition and pronunciation of every word they see, in a book, browser, or app.

Additional accessories include case for iPad Pro and one MacAlly Lightning Keyboard for every seven Student seats.

Teachers: 11-inch MacBook Air AND 9.7-inch iPad Pro

The 11-inch MacBook Air comes with fifth-generation dual-core Intel processors that give you the power to create rich multimedia lessons, and an Intel HD Graphics 6000 chip that can handle even the most graphics-intensive assignments. All-day battery life means you can keep working long after the final bell rings. Flash storage is up to 17 times faster than a traditional drive, and more durable because it involves no moving parts. And it's all packed into an incredibly thin 0.68-inch unibody enclosure that weighs only 2.38 pounds. Every MacBook Air comes with powerful apps for classroom productivity. **Pages** helps make book reports and term papers even more compelling with stunning visuals and professional-looking layouts. **Keynote** draws the class's full attention to presentations, whether you're animating cell mitosis or seeing Mars from the eyes of the Curiosity Rover. **iMovie** lets you easily edit field trip footage into a cinematic trailer complete with music, titles, and special effects. **iBooks Author for Mac** lets you create

engaging Multi-Touch books, projects, lab notebooks, and other learning materials for iPad or Mac. Design interactive learning experiences that map to your curriculum and class level. Add photo galleries with captions and images that students can pan and zoom in to. Drag and drop video, historic speeches, music, and even 3D models to help students hear, see, touch, and better understand concepts. If you're looking to collaborate with colleagues using different OS environments, it's easy to share a document link via **iCloud** and make edits together from any Mac or PC browser. MacBook Air will also give teachers access to **iTunes U**, an ever-growing collection of educational content from institutions around the world—currently featuring over 800,000 resources on every topic.

Combined with a robust professional learning plan, an incredible suite of education resources, and Apple's 13+ years of experience and collaboration with MLTI, the power and familiarity of MacBook Air will provide the perfect springboard for taking teaching and learning to new heights across the State of Maine.

Inclusion of a 9.7-inch iPad Pro for every teacher will ensure that teachers are familiar with the learning devices their students are using, and can take full advantage of the features packed into both MacBook Air and iPad Pro. Teachers can deploy customized content solutions to their students via innovative tools like iBooks Author, iTunes U Course Manager, and a variety of available collaborative apps that allow for screen sharing, polling, assessment, and much more.

Additional accessories include Brenthaven Tred Sleeve, Mini-Displayport to VGA Adapter, and case for iPad Pro.

Classroom

Your new teaching assistant

Built for iOS 9.3, Classroom is a powerful new iPad app that helps teachers guide learning, share work, and manage student devices. Teachers can launch a specific app, website, or textbook page on any device in the class, or share student work on a TV, monitor, or projector using Apple TV. They can even reset a student's password, see which apps students are working in, and assign a specific shared iPad for the class period. The Classroom app is easy to set up on a teacher's iPad with the help of MDM, and it uses Bluetooth and Wi-Fi to connect to each student's iPad. For more information regarding Classroom, please visit www.apple.com/education/products/#learning-with-ipad.

Wireless Network

If your school chooses to refresh with one of the 2016 Apple MLTI offerings and had opted in for wireless networks in 2013, Apple will review your 2013 Apple MLTI wireless network and, provided that Apple has not already done so, make Apple-determined adjustments to support the network. Your Apple MLTI wireless network will continue to be supported through June 30, 2017.

Communication and Collaboration

Apple TV

When you connect Apple TV to your HDTV or projector, you introduce a new way of working together with your students. You're now free to present from anywhere in the room — take your class through a lesson while walking between desks and providing individual support. Or have your students highlight their work by using AirPlay to wirelessly mirror their own iPad or Mac screens to Apple TV. It even works without an Internet connection.

One 32GB Apple TV and choice of HDMI cable or Kanex HDMI-to-VGA adapter are included for every 15 Student Seats.

eBackpack

eBackpack allows students to share and submit their work. It provides a simple and iterative workflow to improve and ease communications between students and teachers, accelerating teacher feedback and the grading process. This process occurs in a secure environment, and allows teachers to maintain a strong and clear organizational structure defined by both class and assignment. For more information regarding eBackpack, please visit www.ebackpack.com.

Increased Backup Capacity

Student and teacher devices will have access to Apple's iCloud solution for backup. Each user will have access to 50GB of iCloud storage as part of the 2016 Apple MLTI offering. iCloud connects you and your Apple devices in amazing ways. iCloud Photo Library and iCloud Drive keep all your documents, photos, and videos stored securely and updated everywhere. With iCloud, you always have what's most important to you on whatever device you have in hand.

Mobile Device Management

iOS and OS X have built-in mobile device management capabilities that leverage the use of JAMF Casper Suite to configure devices, deploy apps and books, and remotely manage devices over the air. The solution will include a self-service portal enabling schools to make apps available to students and teachers. The current central instance of JAMF will be moved to a more distributed structure, providing better integration of Apple School Manager and more local control. For additional information regarding the JAMF Casper Suite, please visit www.jamfsoftware.com/products/casper-suite/.

Warranty and Support

Apple's warranty and support program will continue to provide telephone and online Help Desk services. This includes online dispatching and shipping services to transport devices between the school and the Apple MLTI Repair Depot. Schools will be provided spare devices to be used as loaners in the event of a break-fix event. If a device is stolen, lost, or accidentally damaged beyond repair, the Apple MLTI solution includes a buffer pool of devices equal to 2% of the total number of device across all participating Apple MLTI schools.

Seat Pricing for Apple Primary Solution[1]

For Student seats:
The price of an Apple Primary student seat is $217 per seat per year for four (4) years ($868 in total).

For Staff seats:
The price of an Apple Primary staff seat varies based on whether it is "within ratio" or "outside ratio." For every six (6) student seats ordered, a school may order one (1) staff seat at the "within-ratio" seat price, which is the same price as a student seat. Any other staff seats are at the "outside ratio" price of $400 per seat per year for 4 years.

1. Subject to additional requirements which may include but are not limited to return of the 2013 MTLI device.

9.7-inch iPad Pro for Students and Teachers

Capacity
32GB

Weight and dimensions
- Height: 9.4 inches (240 mm)
- Width: 6.6 inches (169.5 mm)
- Depth: 0.24 inch (6.1 mm)
- Weight: 0.96 pound (437 g)

Display
- Retina display
- 9.7-inch (diagonal) LED-backlit Multi-Touch display
- 2048-by-1536 resolution at 264 pixels per inch (ppi)
- Wide color display
- True Tone display
- Fingerprint-resistant oleophobic coating
- Fully laminated display
- Antireflective coating

Chip
- A9X chip with 64-bit architecture
- M9 coprocessor

iSight Camera
- 12-megapixel iSight camera
- Live Photos
- Autofocus with Focus Pixels
- True Tone flash
- Panorama (up to 63 megapixels)
- Auto HDR for photos
- Exposure control
- Burst mode
- Timer mode
- *ƒ*/2.2 aperture
- Five-element lens
- Hybrid IR filter
- Backside illumination
- Sapphire crystal lens cover
- Auto image stabilization
- Improved local tone mapping
- Improved noise reduction
- Face detection
- Photo geotagging

Video Recording
- 4K video recording (3840 by 2160) at 30 fps
- 1080p HD video recording at 30 fps or 60 fps
- 720p HD video recording at 30 fps
- Slo-mo video support for 1080p at 120 fps and 720p at 240 fps
- Time-lapse video with stabilization
- Cinematic video stabilization
- 3x video zoom
- Face detection
- Video geotagging

FaceTime HD Camera
- 5-megapixel photos
- 720p HD video recording
- Retina Flash
- *ƒ*/2.2 aperture
- Auto HDR for photos and videos
- Backside illumination
- Exposure control
- Burst mode
- Timer mode
- Face detection

Wireless
- Wi-Fi (802.11a/b/g/n/ac); dual channel (2.4GHz and 5GHz); HT80 with MIMO
- Bluetooth 4.2 technology

Location
- Digital compass
- Wi-Fi
- iBeacon microlocation

FaceTime Calling
- FaceTime audio to any FaceTime-enabled device over Wi-Fi or cellular
- FaceTime video to any FaceTime-enabled device over Wi-Fi or cellular

Audio Playback
- Four speaker audio
- Frequency response: 20Hz to 20,000Hz
- Audio formats supported: AAC (8 to 320 Kbps), Protected AAC (from iTunes Store), HE-AAC, MP3 (8 to 320 Kbps), MP3 VBR, Audible (formats 2, 3, 4, Audible Enhanced Audio, AAX, and AAX+), Apple Lossless, AIFF, and WAV
- User-configurable maximum volume limit

TV and Video
- AirPlay Mirroring, photos, audio, and video out to Apple TV (2nd generation or later)
- Video mirroring and video out support: Up to 1080p through Lightning Digital AV Adapter and Lightning to VGA Adapter (adapters sold separately)
- Video formats supported: H.264 video up to 1080p, 60 frames per second, High Profile level 5.0 with AAC-LC audio up to 160 Kbps, 48kHz, stereo audio in .m4v, .mp4, and .mov file formats; MPEG-4 video up to 2.5 Mbps, 640 by 480 pixels, 30 frames per second, Simple Profile with AAC-LC audio up to 160 Kbps per channel, 48kHz, stereo audio in .m4v, .mp4, and .mov file formats; Motion JPEG (M-JPEG) up to 35 Mbps, 1280 by 720 pixels, 30 frames per second, audio in ulaw, PCM stereo audio in .avi file format

Power and Battery
- Built-in 27.5-watt-hour rechargeable lithium-polymer battery
- Up to 10 hours of surfing the web on Wi-Fi, watching video, or listening to music
- Charging via power adapter or USB to computer system

Sensors
- Touch ID
- Three-axis gyro
- Accelerometer
- Barometer
- Ambient light sensor

Operating System
- **iOS 9.3**
  With an all-new design and all-new features, iOS 9 is the world's most advanced mobile OS. In its most advanced form.

MacBook Air 11” for Teachers

Display

- 11.6-inch (diagonal) LED-backlit glossy widescreen display with support for millions of colors
- Supported resolutions: 1366 by 768 (native), 1344 by 756, and 1280 by 720 pixels at 16:9 aspect ratio; 1152 by 720 and 1024 by 640 pixels at 16:10 aspect ratio; 1024 by 768 and 800 by 600 pixels at 4:3 aspect ratio

Storage

128GB PCIe-based flash storage

Processor

- 1.6GHz dual-core Intel Core i5 (Turbo Boost up to 2.7GHz) with 3MB shared L3 cache
- Configurable to 2.2GHz dual-core Intel Core i7 (Turbo Boost up to 3.2GHz) with 4MB shared L3 cache.

Memory

4GB of 1600MHz LPDDR3 onboard memory

Battery and Power

- Up to 9 hours wireless web
- Up to 10 hours iTunes movie playback
- Up to 30 days standby time
- Built‑in 38‑watt‑hour lithium‑polymer battery
- 45W MagSafe 2 Power Adapter with cable management; MagSafe 2 power port

Size and Weight

- Height: 0.11-0.68 inch (0.3-1.7 cm)
- Width: 11.8 inches (30 cm)
- Depth: 7.56 inches (19.2 cm)
- Weight: 2.38 pounds (1.08 kg)

Graphics and Video Support

- Intel HD Graphics 6000
- Dual display and video mirroring: Simultaneously supports full native resolution on the built-in display and up to 3840 by 2160 pixels on an external display, both at millions of colors
- Thunderbolt digital video output
  - Native Mini DisplayPort output
  - DVI output using Mini DisplayPort to DVI Adapter (sold separately)
  - VGA output using Mini DisplayPort to VGA Adapter (sold separately)
  - Dual-link DVI output using Mini DisplayPort to Dual-Link DVI Adapter (sold separately)
  - HDMI audio and video output using third-party Mini DisplayPort to HDMI Adapter (sold separately)

Camera

720p FaceTime HD camera

Charging and Expansion

- Two USB 3 ports (up to 5 Gbps)
- Thunderbolt 2 port (up to 20 Gbps)
- MagSafe 2 power port

Wireless

- Wi-Fi: 802.11ac Wi-Fi wireless networking; IEEE 802.11a/b/g/n compatible
- Bluetooth: Bluetooth 4.0 wireless technology

Audio

- Stereo speakers
- Dual microphones
- 3.5 mm headphone jack
- Support for Apple iPhone headset with remote and microphone

Keyboard and Trackpad

- Full-size backlit keyboard with 78 (U.S.) or 79 (ISO) keys, including 12 function keys and 4 arrow keys (inverted “T” arrangement) with ambient light sensor
- Multi-Touch trackpad for precise cursor control; supports inertial scrolling, pinch, rotate, swipe, three‑finger swipe, four-finger swipe, tap, double-tap, and drag capabilities

Electrical and Operating Requirements

- Line voltage: 100-240V AC
- Frequency: 50Hz to 60Hz
- Operating temperature: 50° to 95° F (10° to 35° C)
- Storage temperature: -13° to 113° F (-25° to 45° C)
- Relative humidity: 0% to 90% noncondensing
- Operating altitude: tested up to 10,000 feet
- Maximum storage altitude: 15,000 feet
- Maximum shipping altitude: 35,000 feet

Operating System

- **OS X El Capitan**
  Engineered to take full advantage of your Mac hardware, OS X El Capitan is designed to be as easy to use as it is beautiful to look at. It comes with an amazing collection of apps you'll use — and love — every day. And it enables your Mac and iOS devices to work wonderfully together.

MacBook Air and the Environment

Apple takes a complete product life cycle approach to determining our environmental impact. MacBook Air is designed with the following features to reduce environmental impact:

- BFR-free
- PVC-free5
- Highly recyclable aluminum enclosure
- Meets ENERGY STAR 6.1 requirements
- Rated EPEAT Gold

Mac Software Included

The following list of software titles, apps, and native features are available for the MLTI MacBook Air devices:

FaceTime
FaceTime lets you make video calls from your Mac, so you can talk, smile, and laugh with anyone on a Mac or iOS device. Compare notes, discuss assignments, or answer questions with just a click. Simply find the person you want to see by typing their name, email address, or phone number to start a FaceTime call. You can also start a FaceTime call from Contacts, Messages, or Spotlight. When someone calls, you'll receive a notification that you can accept, decline, reply to via Messages, or set a callback reminder. It works even if FaceTime isn't running, so you never have to worry about making yourself available. And thanks to its high-quality video and fast frame rate, FaceTime is ideal for people who communicate using sign language.

Airdrop
AirDrop makes sharing files with another Mac or an iOS device simple. With just a few clicks, you can take a file from any folder and use AirDrop to send it directly to a nearby Mac or iOS device. No need to email it or use any other web-based service. It's the simplest way to share files on your Mac to a student's device. Or send your contact info to a new colleague across the table.

Reminders
You'll never forget a task again with Reminders. Remind yourself to call a friend on a certain date and time, or to pick up the dry cleaning on the way home from work. You can set reminders to repeat at any interval you want. Create a reminder from almost anywhere in OS X from the Share menu, including a Safari web page, a contact, or an email. And with iCloud, reminders that you set on your Mac are available on your iOS devices and vice versa.

Safari
Safari is the best, fastest, and most secure way to surf the web on your Mac, with all kinds of innovative features that make your browsing more enjoyable. Keep favorite websites open and accessible with Pinned Sites. Quickly mute audio without hunting for the tab it's coming from. And use AirPlay to stream video from a web page to your HDTV with Apple TV. It's also easy to share the resources you find. Just click the Share button to send to a friend. Energy-saving technologies let you browse longer. And built-in privacy features protect you from being tracked as you go.

Preview
Preview is a Document viewer that supports many file types such as: PDF, JPEG, TIFF, RAW, DNG, EPS, PNG, PPT, and many others. Preview allows quick and efficient viewing and mark up of PDF files.

Quicktime Player
QuickTime X is the next-generation media technology that powers the audio and video experience in Mac OS X v10.6 and later. It includes the QuickTime Player application with a clean, uncluttered design. And it delivers more efficient media playback, HTTP-based live streaming, and greater color accuracy. Whether it's on the web or on your desktop, QuickTime Player brings your digital media brilliantly to life.

Notes
The powerful new Notes app is more than a great way to jot down a quick thought and keep track of it for later. Now you can turn a list into a checklist in a snap. Add links, photos, map locations, and more by clicking the Share button in apps like Safari, Photos, and Maps. All the attachments you've added to your notes are organized in one simple view: the Attachments Browser. And thanks to iCloud, all your notes and everything in them are kept up to date across all your devices. So you can create a note on your Mac and check it on your iOS device when you're out and about.

Calendars

Keep track of your busy schedule and share it with others using Calendar. Create separate calendars — one for home, another for school, a third for work, and so on. See all your calendars in a single window or choose to see only the calendars you want. The inspector lets you add a location to your event, suggests locations as you type, provides maps and weather forecasts, and automatically alerts you when it's time to leave. And when you use iCloud, every Calendar change you make on your Mac automatically appears on your iOS devices. So no homework assignments are missed, no meeting goes unattended, and no school event is forgotten.

Keynote

Keynote for Mac makes it simple to create and deliver beautiful presentations. Updated for OS X El Capitan, Keynote employs powerful tools and dazzling effects that bring your ideas to life. You can work seamlessly between Mac and iOS devices. And work effortlessly with people who use Microsoft PowerPoint. Keynote makes it simple to create and deliver beautiful presentations. The app employs powerful graphics tools and dazzling cinematic effects that bring your ideas to life. You can work seamlessly between Mac and iOS devices. And work effortlessly with people who use Microsoft PowerPoint.

Numbers

With Numbers for Mac, sophisticated spreadsheets are just the start. The whole sheet is your canvas. Just add dramatic interactive charts, tables, and images that paint a revealing picture of your data. You can work seamlessly between Mac and iOS devices. And work effortlessly with people who use Microsoft Excel. Updated for OS X El Capitan, Numbers is now more powerful than ever.

Pages

Pages for Mac is a powerful word processor that gives you everything you need to create documents that look beautiful. And read beautifully. Redesigned for OS X El Capitan, it lets you work seamlessly between Mac and iOS devices. And even work effortlessly with people who use Microsoft Word.

GarageBand

GarageBand is a whole music creation studio right inside your Mac — with a complete sound library that includes software instruments, presets for guitar and voice, and virtual session drummers. An intuitive interface makes it easy to learn, play, record, create, and share your hits worldwide. It's never been easier to make music like a pro.

iMovie

With iMovie, you have a perfect home for all your home video. Easily browse and share your favorite clips. Or use simple editing tools to transform them into an unforgettable movie or Hollywood-style trailer. When you're done, iCloud lets you watch your finished films in iMovie Theater on any device.

iBooks

iBooks textbooks on iPad offer a gorgeous, full-screen experience full of interactive diagrams, photos, and videos. No longer limited to static pictures to illustrate the text, now students can dive into an image with interactive captions, rotate a 3D object, or have the answer spring to life in a chapter review. They can flip through a book by simply sliding a finger along the bottom of the screen. Highlighting text, taking notes, searching for content, and finding definitions in the glossary are just as easy. And with all their books on a single iPad, students will have no problem carrying them wherever they go.

FileMaker Pro 14

FileMaker Pro 14 is powerful, easy-to-use software used to create custom solutions for your business that run on iPad, iPhone, Windows, Mac and the web. Use FileMaker Pro to manage and share information with your team. Build your own solution or use one of the many built-in Starter Solutions to manage contacts, inventory, projects and more.

iBooks Author

iBooks Author for Mac lets you create engaging Multi-Touch books, projects, lab notebooks, and other learning materials for iPad or Mac. Design interactive learning experiences that map to your curriculum and class level. Add photo galleries with captions and images that students can pan and zoom in to. Drag and drop video, historic speeches, music, and even 3D models to help students hear, see, touch, and better understand concepts. And students can use iBooks Author to create their own books, reports, lab guides, and field trip logs.

Xcode

Xcode includes everything student developers need to create great applications for Mac, iPhone, iPad, Apple TV, and Apple Watch. Xcode provides developers a unified workflow for user interface design, coding, testing, and debugging. The Xcode IDE combined with the Cocoa frameworks and Swift programming language make developing apps easier and more fun than ever before. Xcode includes the Xcode IDE, Swift and Objective-C compilers, Instruments analysis tool, simulators, the latest SDKs, and hundreds of powerful features.

iOS Software Included

The following list of software titles, apps, and native features are available for the MLTI iPad Pro devices. Third party apps licenses may be transferred from the original 2013 device to the refreshed device, subject to compatibility.

FaceTime

With a tap, you can make video calls or audio-only calls from your iPhone or iPad to someone else's. Or make calls from your Mac to anyone on an iPhone, iPad, iPod touch, or another Mac. And you can do it over Wi-Fi or cellular networks. So you can be there, even when you're not there.

Reminders

You'll never forget a task again with Reminders. Remind yourself to call a friend on a certain date and time, or to pick up the dry cleaning on the way home from work. You can set reminders to repeat at any interval you want. Create a reminder from almost anywhere in iOS from the Share menu, including a Safari web page, a contact, or an email. And with iCloud, reminders that you set on your iOS devices are available on your Mac devices and vice versa

Safari

Safari puts the focus where it should be: the web. When you open a web page, the address and navigation bars move out of the way until you need them. Bookmarks are easy to add and edit, and features like Reading List, Shared Links, and iCloud Tabs let you get to the content you need when you need it.

Maps

Apple-designed from the ground up (and the sky down), this built-in app shows you incredible detail — even on full zoom. Maps keeps street names where they belong and keeps you heading in the right direction with spoken turn-by-turn navigation and real-time traffic updates. Now you can even navigate public transportation with the new Transit view.

Notes

Now more than just text, the redesigned Notes app lets you include photos, maps, web links, and checklists — even sketches you can draw with the tip of your finger. And with iCloud, you can share your notes across all your devices, so you can easily access them no matter which device you're using.

Calendars

Keep track of your busy schedule and share it with others using Calendar. Create separate calendars — one for home, another for school, a third for work, and so on. See all your calendars in a single window or choose to see only the calendars you want. Calendar works with iCloud, Yahoo, Google, and more. So every change you make on one device appears on all the others.

Keynote
Keynote for iOS makes it simple to create and deliver beautiful presentations — with nothing but your fingers. Powerful tools and dazzling effects bring your ideas to life. You can work seamlessly between Mac and iOS devices. And work effortlessly with people who use Microsoft PowerPoint.

Numbers
With Numbers for iOS, sophisticated spreadsheets are just the start. The whole sheet is your canvas. With just a few taps, you can add dramatic interactive charts, tables, and images that paint a revealing picture of your data. You can work seamlessly between Mac and iOS devices. And work effortlessly with people who use Microsoft Excel.

Pages
Pages for iOS is a powerful word processor that gives you everything you need to create documents that look beautiful. And read beautifully. It lets you work seamlessly between Mac and iOS devices. And even work effortlessly with people who use Microsoft Word.

GarageBand
GarageBand for iOS is the most popular music creation app in the world. And now, more than ever, it's easy to see why. A wide range of instruments at your command and new features like Live Loops and Drummer make creating your own songs even more exciting. And you can do it all right from your iPhone, iPad, or iPod touch — so it's easy to create incredible beats no matter where you are. Then share them, across the room or across the globe, with just a few taps.

iMovie
Harness the power of iPhone and iPad with a moviemaking app that's just as powerful. iMovie lets you create movies and Hollywood-style trailers that are simple to make and simply spectacular. And you can edit at resolutions up to stunning 4K on iPhone 6s and iPad Pro. When you're done, you can watch the final cut anywhere with iMovie Theater. A few taps, a few swipes, and you're ready for your big premiere.

iTunes U
iTunes U gives you everything you need to develop and deliver lessons on iPad. Build projects and create worksheets that include apps, web links, photos, and videos. Distribute, collect, and grade assignments and quizzes. Have group discussions or one-on-one check-ins. And with access to the world's largest library of free educational content, you'll find inspiring materials that you can incorporate into any lesson plan.

HanDBase
HanDBase is a light and fast relational database manager for mobile devices that offers data entry, searching, sorting, filtering, printing and synchronization across a variety of devices. With HanDBase you can keep track of almost anything. Create your own custom data based applications in minutes and begin tracking and organizing important information you need to be more productive while on the go.

Notability
Notability powerfully integrates handwriting, PDF annotation, typing, audio recording, and organizing so users can take notes in their own way.

GoodReader
With GoodReader on iPad, you can read virtually anything, anywhere: books, movies, maps, pictures, and more. Annotation is a feature long sought after by users who want to add their own mark-ups to PDFs, especially those collaborating as a team on shared documents. The types of annotations that can be created and edited in GoodReader include typewriter text boxes, popup comments ("sticky notes"), text highlights, freehand drawings, lines, arrows, rectangles, ovals, cloudy shapes, text underlines, strikeouts, text insertion marks.

Explain Everything

Explain Everything is an easy-to-use design tool that lets you annotate, animate, and narrate explanations and presentations. You can create dynamic interactive lessons, activities, assessments, and tutorials using Explain Everything's flexible and integrated design. Use Explain Everything as an interactive whiteboard using the iPad video display.

Wolfram|Alpha

Wolfram|Alpha has rapidly become the world's definitive source for instant expert knowledge and computation. Across thousands of domains--with more continually added—Wolfram|Alpha uses its vast collection of algorithms and data to compute answers and generate reports for you. This app gives you access to the full power of the Wolfram|Alpha computational knowledge engine.

ArtStudio

ArtStudio is a comprehensive sketching, painting and photo editing tool. The new user interface and powerful graphics engine makes creating works of art faster, easier and more fun!

MyScript Calculator

Easy, simple and intuitive, just write the mathematical expression on the screen then let MyScript technology perform its magic converting symbols and numbers to digital text and delivering the result in real time.

Graphing Calculator HD

Graphing Calculator HD turns your iPad into an intuitive high-resolution function plotter and scientific calculator.

EQ Editor

EQ Editor lets you create and edit math equations and export them into PDF, PNG, MathML, TeX and HTML formats. You can use its intuitive interface to quickly create math equations and copy them into your favorite apps, print them to any AirPrint capable printer and email them to other users.

eBackPack

In a classroom setting, no matter what the content area, assignments have to move easily between teachers and students. A clear and simple workflow is necessary. Not one-way movement of materials — it has to be easy both ways. With eBackpack teachers can share and distribute assignments and class materials from their MacBook Air or their iPad Pro. The students retrieve the content on their iPad and can work on the assignment in any application available. Students do not need to be isolated — in eBackpack, they can collaborate in a secure environment. With work completed, the students easily pass their work in — and eBackpack makes sure the work stays organized by class and assignment. Now it's the teacher's turn, and they are easily able to retrieve student work via their MacBook Air or iPad Pro, where they can review the student work, annotate with comments, and deliver a grade. The cycle continues as students are now able to see the teacher's comments and grading, make changes as needed and pass the work back in. In addition to the simple pass-in, pass-out workflow, eBackpack also includes e-portfolio, parent login, and many other features that will support the use of the MLTI devices.

iBooks

It’s time to turn a new page on learning. On iPad, textbooks invite Multi-Touch interaction — flick through photo galleries, rotate 3D objects, tap to pop up sidebars, or play video and audio. With iBooks, reading is beyond fundamental. And more engaging than ever.

Khan Academy

Khan Academy allows students to learn almost anything for free, at their own pace. Khan Academy contains a collection of over 3,500 videos covers a massive number of topics, including K-12 math, science topics such as biology, chemistry, and physics, and even the humanities with playlists on finance and history.

Eligibility, Participation and Funding

Participation in the Maine Learning Technology Initiative (MLTI) is optional and all Maine public schools (K-12) are eligible to participate. For purposes of MLTI participation, publicly-supported secondary schools (i.e. the Town Academies) are considered public schools. A school that is eligible to participate in MLTI becomes a "participating school" by opting in and entering into an MLTI Participation Agreement.

Schools must opt in entire grade levels for a 1:1 solution. In order to obtain state funding support, middle schools must opt in both 7th and 8th grades, while high schools must opt in for grades 9 through 12. High schools may stretch opt-in over a 2-year period for financial purposes, as long as they opt in at least 50% of their students during the first year.

Opting in is a 4-year financial commitment from the school, and the school is committing to the solution (device, etc.) that it selects for that 4-year period.

Student Seats

1. Student Eligibility to Receive an MLTI Device

All students (grades K-12) who are enrolled full-time or part-time at participating schools that fulfill the MLTI participation agreement are eligible to receive an MLTI device. "Part-time" is defined as being enrolled in at least one course at the school; this includes homeschooled children officially enrolled for at least one course.

Students who are partially or fully enrolled in a participating school, but who receive some or all of their educational services in an alternate facility or program, should be issued a device from their enrolling school, provided that the school is participating in the MLTI 1:1 program.

Some students' specific identified needs (typically outlined in an Individualized Education Plan or a 504 Plan) may preclude the use of the MLTI device. In some instances the Department may be able to provide assistance to the school to acquire appropriate assistive technology. Schools should contact the MLTI Project Office directly when the MLTI device does not meet the needs of a student.

2. Student Seat State Funding Support (Grades 7 and 8)

The State provides funding support for 7th and 8th grade student seats in schools that implement an approved MLTI 1:1 solution for those grades. The state funding support maximum for 2016 opt-in is $254.86 per seat per year. Any cost in excess of the state funding amount must be paid by the school.

3. Student Seat Local Cost (Grades K-6 and 9-12)

Seat costs for students in grades K-6 and 9-12 are the responsibility of the participating school. The annual local cost is reflected in the device order sheet. The total local cost may also change over the 4-year period if student enrollment in participating grades changes. Schools are invoiced for local costs on a quarterly basis (July, October, January and April), unless the school elects an alternate billing method (e.g., annual billing or billing for all 4 years at the beginning of the term).

4. Filling out the Order Form for Student Seats

Please order only the number of student seats that you anticipate needing for the participating grades in the 2016-2017 school year. Please do not overstate your need – if enrollment increases at a later date and you need additional student seats, you can obtain extra devices quickly through the Enrollment Device ordering process. The Department will review order sheets and, if the number of seats requested seems out of line with your current enrollments, we may ask you to explain the number ordered, or to revise the order.

Staff Seats

1. Staff Eligibility to Receive an MLTI Device

All teachers and staff who work with students in participating grade levels (K-12) at participating schools that fulfill the MLTI participation agreement are eligible to receive an MLTI device. All Career and Technical Education Center instructors who work with students from MLTI participating schools are eligible to receive an MLTI device. Student teachers placed in a participating school and working with students in participating grades are eligible for an MLTI device, to be provided by MLTI.

Some staff are eligible for state funding support (see section 2). Those who are eligible for state funding support are referred to as "Eligible Staff." Those who are eligible to receive a device, but not eligible for state funding support are referred to as "Ineligible Staff."

2. State Funding Support for Staff Seats

For participating public schools, the Department will provide funding support for certain staff seats, as described in this section 2. To qualify for state funding support for a staff seat, the staff member must be in one of the categories of eligible staff described in paragraph A, and the staff must be working with students in a participating grade between 7th and 12th grade. There is no funding support for K-6 staff. Additional information is provided in paragraphs B through E.

The funding support maximum is $254.86 per seat per year. Costs in excess of the state support amount are the responsibility of the SAU or school.

A. Categories of Staff Eligible for State Funding Support

Please review the following guidelines to determine which of your school's staff are eligible to receive funding support for an MLTI device. The Department will not collect lists of eligible staff names, but participating schools should be prepared to provide that information at a later date if it becomes necessary for auditing purposes.

Funding-eligible staff includes the following:

- All certified teachers who teach 7th - 12th grade subjects including, but not limited to, mathematics, science, language arts, social studies, visual and performing arts, world languages, physical education, CTE teachers and/or special education teachers
- All certified 7th - 12th grade principals, CTE directors, special education directors, deans, assistant principals, assistant CTE directors, assistant deans, guidance counselors, library media specialists, technology integrators, and literacy specialists
- Licensed or certified physical therapists, occupational therapists, and speech therapists who are employed by the SAU and serve participating students
- At the SAU level, all superintendents, assistant superintendents, and curriculum directors/coordinators

Participating schools and SAUs may receive additional state-funding-supported devices as follows. Each participating school may request one additional device for technology support staff image and configuration testing. This device is not intended to be used as a personal workstation. Collectively across a SAU, the SAU may request one additional device per 300 devices deployed (minimum of 1) for use by technology support staff including a district Technology Director.

For staff not funding-eligible under these guidelines (e.g., ed techs), schools may elect to order devices at local expense. Devices ordered for eligible staff may not be redeployed to staff members who are not eligible for state funding support (ineligible staff).

B. Grade K-6 Staff

Staff in K-6 grade schools are not eligible for state funding support

C. Grade 7 and 8 (Middle School) Staff

Maine schools that implement an approved MLTI 1:1 solution for grades 7 and 8 will receive funding support from the Department of Education toward eligible staff costs of the MLTI, up to the amount of $254.86 per year.

D. Grade 9-12 (High School) Staff

Eligible staff in Maine public high schools that implement an approved MLTI 1:1 solution will receive funding support from the Department of Education, up to the amount of $254.86.

To be eligible for this funding support, Maine public high schools must implement an MLTI 1:1 program in grades 9-12, but may do so over 2 years. The high school must opt in the first year for at least 50% of its students, and must have its school board approve a resolution that ensures that the SAU and school board intends to seek funding to support expanding the 1:1 program to a 9-12 program in the next fiscal year.

E. CTE Staff

Maine Career and Technical Education Center (CTE) staff will receive funding support from the Department of Education up to $254.86 per year. Since CTEs are not the primary enrollment for its students, the CTE is not required to implement a 1:1 program for its students in order to receive state funding support.

3. Staff Seat Local Cost

Staff seat costs in excess of the state funding support amount, and staff seats ineligible for state funding support, must be paid for by the participating school. The annual local cost is reflected in the device order sheet. The total local cost may also change over the 4-year period if staff seats are returned or additional staff seats are requested during the term of participation.

MLTI sends invoices to schools for those costs on a quarterly basis for 4 years, unless the school elects an alternate billing method (e.g., annual billing or billing for all 4 years up front).

4. Filling out the Order Form for Staff Seats

To fill out the order form, you will be asked to determine how many of your staff seats are eligible for state funding support. Section 2, paragraph A lists eligible types, or categories, of staff. After determining that a staff member is in an eligible category, please review paragraphs B through E for further information on funding support.

Participation Agreement

Part of opting into MLTI is making a commitment to follow MLTI policies and procedures. The online order form includes a Participation Agreement that must be printed out and signed by the superintendent. Your opt-in is not complete until a signed Participation Agreement is submitted.

The following shows you the commitments that the school will be making when it opts into MLTI. Do not sign and send the commitments below; you will have an opportunity to print out and sign a form containing

these commitments as part of the online order process.

- SAU agrees to deploy the MLTI devices in a 1:1 approach that provides every individual student a personal digital device to support his/her individual learning needs.
- SAU agrees to maintain the 1:1 approach by requesting additional devices as population increases. SAU agrees to return extra devices as population decreases.
- SAU understands that all devices are leased by the State of Maine and that the equipment may only be used to support local 1:1 learning through technology.
- SAU agrees to maintain accurate online asset records using the MLTI online asset management solution.
- SAU agrees to maintain the equipment in good working order, including having damaged devices repaired in a timely fashion.
- SAU agrees to host annual parent meeting(s) to orient parents on the program, goals, and expectations.
- SAU agrees to address how MLTI will support its school and district goals in its Board-approved technology plan.
- SAU agrees to implement and publish on its web site its Board-approved policies and procedures, including those that allow students to take the devices home to support their learning.
- SAU agrees to implement and publish on its web site its Board-approved Acceptable Use Policy.
- SAU agrees that any fee-based programs associated with MLTI (e.g., device protection plans) will be Board-approved and published on its web site.
- SAU agrees to provide to the Department the URLs for its Board-approved MLTI-related policies (#8-10)
- SAU agrees to implement Digital Citizenship and Internet Safety programs (e.g. Common Sense Media and NetSmartz).
- SAU agrees that Principals and/or Superintendents will participate each year in Department-sponsored, learning through technology-related professional development.
- SAU agrees to support teacher participation each year in Department-sponsored, learning through technology-related professional development.
- SAU agrees to take part in studies, surveys, etc. related to the MLTI (e.g., a BrightBytes survey).
- SAU understands that the devices are only for use in the opted-in grades in the opted-in school and may not be loaned or subleased to other grade levels or schools.
- SAU understands that staff devices for which state funding support is provided may not be loaned or subleased to staff not eligible for state funding support.
- SAU understands that payments made (as applicable) are to reimburse the Department for the cost of participating in the program, and are not considered payments toward ownership of any equipment provided by MLTI.
- SAU understands that it is responsible for all applicable payments over the 4-year period and will pay MLTI invoices within 30 days.

- SAU understands that the Department may make available to schools the opportunity to purchase equipment at the conclusion of the Department's lease, but that the Department may instead elect to have schools return the equipment, if it is in the best interest of the State.
- SAU agrees not to violate the manufacturer's warranty or the guidelines of the MLTI support program (e.g repair devices using unauthorized methods, parts, or providers, or make any unauthorized modification to a provider-installed wireless network during the term of the agreement).
- SAU agrees that it will not install unlicensed software or media on MLTI devices. SAU agrees that any software license or terms of use accompanying any product, software or service control the use of that product, software or service.
- SAU agrees to use the MLTI repair depot for all repairs of MLTI devices, including warranty and out-of-warranty repairs, except as provided in section 25.
- SAU agrees not to use third-party vendor repairs or third-party replacement parts and to inform parents and students that they are not to use third-party vendors or third-party replacement parts for MLTI devices.
- SAU understands that, if it has a self-service program approved by the device vendor, it may allow its vendor-certified technician under the program to repair the SAU's devices provided it abides by the self-service account rules established by the device vendor. In addition, any SAU with a vendor-approved self-service program agrees to (a) submit monthly reports detailing all self-service repairs to the Department; and (b) pay any late fees and replacement costs resulting from its failure to return defective replacement parts in a reasonable timeframe.
- SAU agrees to include the MLTI equipment on its building catastrophic loss insurance plan.
- SAU agrees to follow Department policies and procedures for lost and stolen MLTI devices, including notifying the Department of missing devices as soon as they identify the device as actually missing and not simply misplaced.
- SAU understands that the State of Maine enters into a 4-year lease with vendors (Apple and HP) in order to fulfill the device and service orders placed by this SAU and other SAUs during this opt-in period, and that the SAU is therefore committed to continue participation in MLTI, as provided in this opt-in. The period of required participation is 4 years, unless an arrangement is made between the State of Maine and a vendor to terminate the lease for these devices and services earlier than 4 years from the start of the lease period. Any such early termination arrangement may result in the requirement that SAUs return devices and equipment for which state funding support is received, and the need to extend this agreement for state-funding-supported devices for a period of time, up to an additional 4 years.