



The GAB'er

The Newsletter of the Greater Albany Apple Byters

Volume 27, Number 1 - September 2010

New iPod Touch, Nano and Shuffle

Jobs announced last week new line of iPods along with Apple TV, IOS and social iTunes. Among all new products, New versions of iPod was considered the talk of the day

The New iPod Touch, most popular of all iPod, is now come with thinner version and the screen with high resolution similar of iPhone 4. Like iPhone 4, new iPod Touch comes with two camera front and back that allows users to run faceTime . The new iPod has about 40 hours of battery life. The price is set \$ 229 (8GB), \$ 299 (32GB) and \$ 399 (64GB).



iPod shuffle now comes with buttons to select specific song and has battery life of 15 hours. iPod shuffle is priced \$49. The most important development among iPod was the redesign of iPod nano. For its 6th generation, Apple has reduced its size and

removing the clickwheel and including touch screen. It is now 46% smaller and 42% lighter and has battery life lasts 24 hours. The price is set for \$149 for 8GB and \$179 for 16GB.



Coordinator's Corner

by John Buckley



Welcome back to GAAB. The beginning of the school year is also the beginning of the year for the Greater Albany Apple Byters. We finished last year with a great turnout for our dinner at the Plum Blossom and are looking forward to another great year for GAAB.



We will be starting the New Year again at an exciting location, the Leonard Board Room at St. Mary's Hospital in Troy. The location is easy to locate with the room on the first floor, plenty of parking, and great technology. I have to thank Dr. Les Goldstein again for securing our location for this year.

As usual, check our website for the most current GAAB information. You will find a map and aerial photograph showing how to get to the meeting location.

At the September meeting we will set the schedule for the remaining demonstrations and then take a look at what is now available from Apple including the new Snow Leopard

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Next GAAB Meeting
September 8, 2010
Snow Leopard and iPhoto

7:00 p.m.
St. Mary's Hospital
Troy, NY

Featured in this Issue

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Serving the Apple Computer User Community Since May 1984

The Greater Albany Apple Byters is an Apple Computer User Group. Meetings are held the second Wednesday of each month (except July and August) in Room 212 of Troy High School, located on Burdett Avenue, Troy, NY.

Annual membership fee is \$10.00. Membership privileges include this newsletter, access to a large public domain software and video/audio tape library, local vendor discounts, special interest groups, and other special offers.

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Apple Ambassador

by John Buckley

Well it appears the Apple is starting with another great year. Not only has the iPhone, iPod, and iPad been great successes, but the Macintosh computer sales have been up as well.

As reported by AppleInsider, Apple's iOS mobile operating system rocketed past the open source Linux this summer to become the third most popular Web browsing platform on the Internet.

A new release from Web traffic firm Net Applications has revealed that iOS share overtook Linux in July, when it represented 1.06 percent of all Web traffic, versus the 0.93 share of Linux. Apple's mobile platform grew even more in August, when it represented 1.13 percent, compared to a shrinking share for Linux, down to 0.85 percent.

For perspective, Linux's share more than doubled the total iOS Web browsing presence last November, when Apple's platform was used for 0.43 percent of traffic, versus the 1 percent share held by Linux at the time.

Net Applications recently changed its methods to categorize iPhone, iPod touch and iPad devices under the iOS umbrella. With the newly revised reporting, the firm discovered that the total number of iOS devices has exceeded Linux.

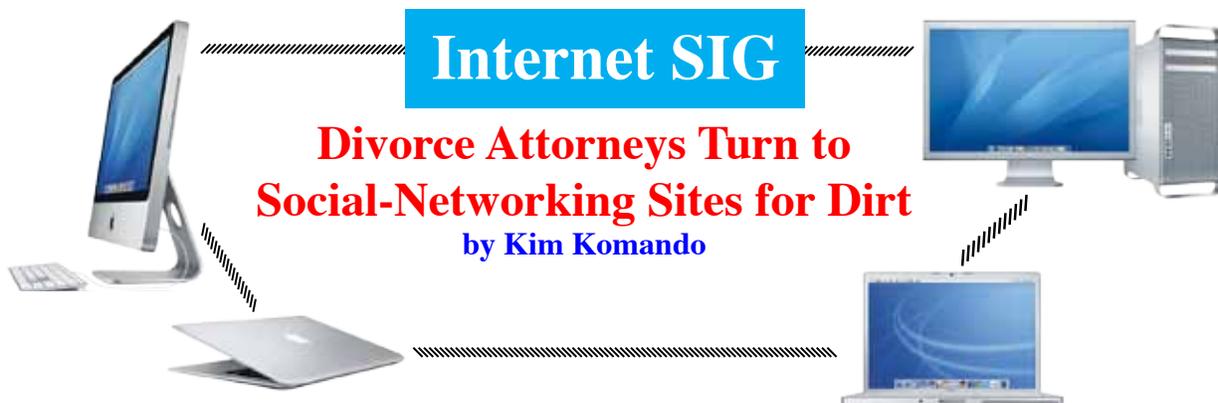
iOS is now the third most popular Web browsing platform in the world, behind only Apple's Mac OS X and Microsoft Windows. To top Mac OS X, it has a ways to go, as version 10.5 has a 1.73 percent share, and the latest version, 10.6, is responsible for 2.59 percent of all Web traffic.

In comparison, Google's Android mobile operating system accounted for 0.2 percent of all Web traffic in the month of August, up from 0.18 percent in July. Android has seen a steady increase in Web presence since it was a minuscule 0.02 percent in October 2009.

In July, Net Applications found that the iPad had passed Google Android in total browser usage share. The iPad alone -- just one of the three iOS-based devices that Apple

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Be careful what you post on Facebook. An off-handed comment or recent photo could put not only your job in jeopardy. Divorce attorneys are combing social-networking sites and looking for dirt. More than 80 percent of lawyers have seen an increase in evidence gathered from these sites, according to the American Academy of Matrimonial Lawyers.

Social-networking has certainly thrown married couples a curveball. It is easier than ever to hook up with an old flame on the sly. So-called virtual affairs are testing the definition of cheating. And, appallingly, some have learned via status update that their spouse filed for divorce.

If you're going through a divorce, think about your online life. Here are some things to consider.

Watch out for "frenemies"

Social networks have become places to brag or rant, places to seek emotional support. You may be tempted to post photos of your new girlfriend. You may feel like trashing your husband. Or maybe you just feel like bragging about your new car.

The thing is, you and your spouse have mutual friends. And, you probably friended your family and in-laws. Like it or not, people take sides in a divorce. They may repeat your posts to your spouse. Or, they may let your spouse view your profile. No matter how private your profile, word will get out. Be particularly cautious with new friend requests—they could be impostors.

Think about the kids

Mutual friends, family and in-laws aren't the only people on Facebook. Your children also use the site. And, if you're smart, you've friended them to monitor their activities. Remember that they can see your posts, too.

Negative outbursts about your spouse can be damaging for your kids. You may also be tempted to force your kids

to unfriend your spouse. Don't. Aside from hurting your kids, it can cause legal woes. You're opening the door for alienation of affection claims.

Be honest

It goes without saying that you should never, ever lie in court. It's wrong. Besides, it can cause serious legal problems. This advice is especially true if online evidence contradicts your lie. Don't maintain a LinkedIn profile if you claim in court that you can't work. Don't post a YouTube video showing your new boat if you claim financial hardship.

Of course, the same also works in reverse. Don't lie on social-networking sites. Thinking about using Match.com to find a date? Be honest about your pending divorce and your children. You'll look like an uncommitted parent if you claim you have no children. Say you're single, and a judge may brand you a liar.

Tread carefully

Think carefully about everything you post online. You can bet that any posts will be used against you. So, what should you avoid posting? First, you should never use the sites to harass or demean your spouse.

The two major conflicts in any divorce are money and custody. Brag about your extravagant vacation, and it looks like you have more money than you claim. Post pictures from that wild party, and you look like an unsuitable role model. Think twice about these types of posts.

You also want to avoid posting anything that will undermine your credibility or character. Are you playing Farmville at the same time your son has a little league game? Do your posts make you seem like you have anger-management issues?

If you can't resist the temptations, stop using social-networking sites. That is, at least for the time being.





Education SIG

Apple Learning Interchange Closed

One of my favorite educational resource areas has closed. The Apple Learning Interchange closed on September 3, 2010. All of the materials have been fused with iTunes U which has become a major educational resource not only for college materials, but over the past year has grown into a very major resource for the k-12 educational area. As we move into the new Common Standard era in the United States, the collaboration that was part of the Apple Learning Interchange has move to the iTunes arena. You find out about iTunes U on the web and go to iTunes U for actually courses using iTunes and going to the iTunes store for resources to continue learning and collaborating with other educators.

Over 800 universities have active iTunes U sites, and nearly half of these institutions — including Stanford, Yale, MIT, Oxford, and UC Berkeley — distribute their content publicly on the iTunes Store. In addition, cultural and education institutions, such as the Library of Congress, public broadcasting organizations, and state departments of education, also contribute to this growing educational content repository that includes over 350,000 free lectures, audiobooks, lesson plans, and more. iTunes U is the ideal resource for educators who want to gain insight into curriculum being taught worldwide, get access to primary resources, and find inspiration for enhancing teaching and learning with technology.

Here's just a sample of the extraordinary resources available for both K–12 and higher education on iTunes U:

| | | | |
|---|---|---|---|
|  | QUEST: Science and Nature KQED |  | Roy's Writing Tools Poynter Institute |
|  | Ask a Biologist Arizona IDEAL |  | Professional Development Edutopia |
|  | Teaching Mathematics Virginia Department of Education |  | Archival Films The Library of Congress |
|  | Lit2Go University of South Florida |  | MIT OpenCourseware MIT |
|  | Three Countries You Ought to Know About Virginia Department of Education |  | College Courses UC Berkeley |
|  | Wired Study Tips Texas A&M |  | Jazz Insights Georgia State University |



Challenge Based Learning (CBL)

Even though the Apple Learning Interchange has closed down, one area that appears to be open is a section on [Challenge Based Learning](#). The following is from the Executive Summary from the CBL Research Report from the New Media Consortium.

Executive Summary

Public education in America is in trouble.

We've known about it for more than 25 years now, since the publication of *A Nation at Risk* in 1983, and despite billions of dollars of investment and massive reform projects like No Child Left Behind (NCLB), we still find that three of ten kids drop out of school without a diploma. Each year the US sees its children do worse in math and science than countries such as Kazakhstan, Latvia, and Lithuania.



The most recent study of global math and science performance shows US students making some gains in the last four years, with fourth graders moving from 12th to 11th place, and eighth graders in from 15th to 9th place in math results, but what the rankings do not show is that that is largely due to erosions in performance around the world, not in the US making great strides. In fact, there is no significant difference in science performance among US students in the last four years at all.

At the same time, the world has never had a greater urgency in ensuring that our children are equipped to tackle the serious challenges that lay before them. The world, to a teenager, is a place rife with serious issues — a global financial meltdown, planetary warming, dependence on fossil fuels, wars on two continents. When polled, dropouts report that they leave school because it has no relevance in their lives. Employers sponsor study after study documenting the skills the American workforce needs to stay competitive in a global marketplace, yet increasingly employers are left looking overseas for those skills, as US schools are by and large not cultivating them.

It is not that we don't know we have a problem. It is not that plenty of good people are not working on the challenges. And we are not alone. Most of the industrial world is experiencing many of the same issues. We have seen some gains in the quarter century this problem has been in the public eye, but they have not been nearly enough.

We need to think differently.

What if we focused our energy not on test scores and rankings but on engaging students in their work? What if their work was more than facts and formulas as presented in books, but relevant to the world they see? What if rather than trying to teach them problem solving, we actually encouraged them to take on problems that needed solving? Rather than teaching them a science curriculum, what if we opened the door for them to do science?

Imagine a class where that sort of thing was the central focus. A class organized on solving real-world issues, in the spirit of the exhortation made famous by John Lennon to "think globally, act locally." A class where the goal was to reach out to any discipline that could provide a piece of the solution, where kids helped steer other kids to useful resources and knowledge. A class where the outcomes would be absolutely authentic. A class that would touch on all the essential 21st century skills listed recently by over 40 leading companies. Imagine further that in this class, more than 95% of the kids would self-report that they were deeply engaged, and that they routinely worked in groups, accessed the Internet for just-in-time tools and resources, and used the web and digital media to richly communicate their solutions.

That is just what a group of 29 teachers did in December 2008, working with a visionary team of educators from Apple, Inc. The concept they all embraced was called challenge-based learning, and by any measure it was a fresh approach. It called for a new way of thinking about the role of the teacher, one in which he or she had to be comfortable as the students struggled and wrestled with a meaningful challenge, letting them choose their own path to understanding within a clearly global issue like sustainability, global warming, or war, and ultimately allowing them to come up with both questions and answers as they directed the course of their own learning.



In a pilot of the approach that ran in a variety of formats in six schools across the US, fully 97% of the 321 students involved found the experience worthwhile. Students self-reported that they were learning and refining skills that closely matched those identified by the Partnership for 21st Century Skills, even though they were never shown that listing. Initially unsure their efforts would matter, by the end of their respective projects 80% of participating students reported that they had made a difference in their schools or communities by addressing their challenge. Students strongly endorsed challenge-based learning, with four out of five saying they would definitely recommend the approach to other students.

Teachers were surprised by the time and energy expended by their students, and at how they found ways to address group communication issues and work together, and at how they so enthusiastically embraced their challenges.

This white paper tells the story of their efforts, and how the results of this pilot show that there is indeed room in public education for fresh thinking. Kids are clearly engaged when they are allowed to craft creative solutions — and the evidence from this pilot shows that when given the room and flexibility to tackle things they see as not only relevant, but critical to their lives, they are not only engaged, but they bring the learning to themselves.

The story begins as it did in real life, with an assessment of the reality faced by our public schools, and an acknowledgement both of the work that has been done to this point and the work that remains to be done. Challenge-based learning builds on a longstanding stream of solid educational thinking, and it is clear not only from this pilot, but also from the literature that it works, so the case for change is something we will touch on, but not dwell upon. Most of this story begs to be told via the voices of the students and teachers who participated, and it is in their excitement and their passion that the true success of this pilot can be felt.

The hope of everyone involved in the project is that these ideas will take root and generate more fresh thinking, and new ways of bringing kids to the knowledge and skills they will need in a dangerously challenging world. What we know will not work are short-sightedness, bolt-on marginal approaches, or strategies that put too much distance between the world kids see before them and the material they are asked to master.

Challenge-based learning puts that world in center focus, and surfaces the essential relevance of their core subjects at the same time, as the six remarkable case studies we present make powerfully clear.

Visit the [Challenge Based Learning](#) site to take action and make a difference in your classroom.

Apple Ambassador

Continued from page 2.

sells -- took 0.17 percent of all Web browser traffic after just three months on the market.

At Wednesday's keynote, Apple Chief Executive Steve Jobs revealed his company had shipped more than 120 million iOS devices since the iPhone first launched in 2007. He also revealed that the company is activating a little over 230,000 iOS devices per day, with new activations only.

Apple has doubled its monthly output capacity of the iPad and is now manufacturing 2 million per month to meet strong consumer demand, but the company reportedly would like to go even further and produce 3 million every month very soon.

Analyst Katy Huberty with Morgan Stanley indicated that iPad builds recently increased to 2 million per month, up from the previous number of just 1 million a month. Apple

allegedly indicated to its suppliers that it would like to produce 3 million a month starting in the fourth calendar quarter of 2010.

It's likely not coincidental that less than a week ago, iPad shipping times for new orders from apple.com improved to 24 hours. For months, customers had to wait an estimated 7 to 10 days, as Apple was surprised by strong demand for the device when it launched in April.

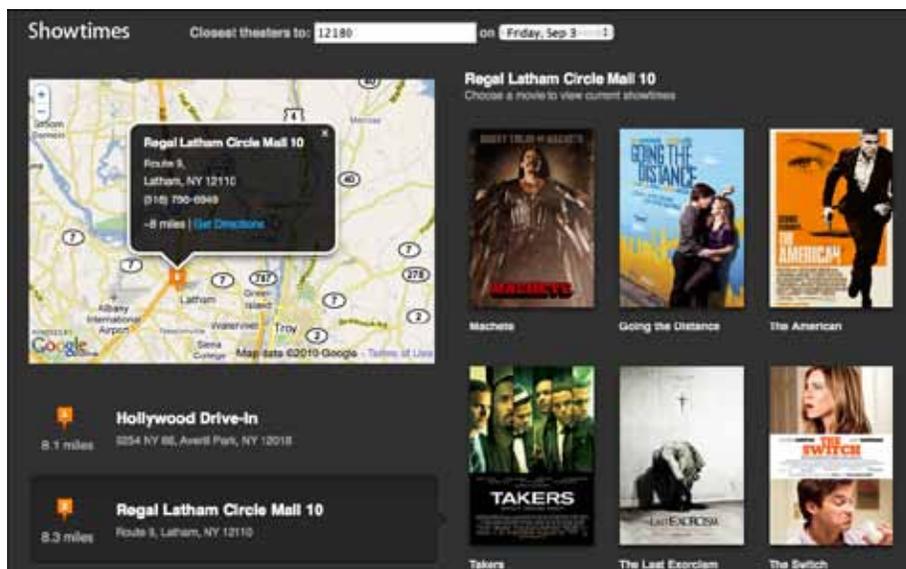
Officials with the company admitted they were initially caught off guard by the demand for the iPad after it launched, and they were unsure when they would be able to satisfy that demand. Chief Operating Officer Tim Cook noted that the iPad is not taking a typical early adopter curve, and already has a "very big" market.

"We want to take full advantage of it, and so we are investing enormous time and resources in increasing our capability in getting iPad out to as many people as we can," Cook said in July.



Despite strong demand, Huberty reiterated that the iPad has not cannibalized sales of Macs. She noted that U.S. Mac sales are tracking up 20 to 25 percent year over year, and have been accelerating in recent weeks.

The new iTunes Movie Trailers Showtimes page also includes embedded Google Maps, allowing people on the site to quickly obtain directions to their theater.



Movie trailers first became a part of iTunes back in 2004, when Apple's music store was in just its second year of existence. Since then it has become the premier destination for collected trailers, particularly those streamed in high definition.

In June, it was estimated that Apple was producing a total of 1.2 million iPads per month. That was up from 800,000-900,000 units in May, 700,000 units in April, 470,000 units in March, and 300,000 in February. At the time, it was projected that Apple could produce as many as 2.5 million per month in time for the 2010 holidays.

Also, Apple Insider reports that Apple has revamped its Movie Trailers page with movie showtimes and the ability to automatically find the nearest theater, all within HTML5, and compatible with iOS devices.

The new Showtimes page on the iTunes Movie Trailers website allows users to find their closest theaters manually, via zip code, or they can opt to have the site determine the closest theater for them. The interactive site is unsurprisingly free of Adobe Flash, built on the HTML5 standard that Apple supports.

By selecting a movie, users are given a list of nearby theaters with show times for that feature. Showtimes are given on a timeline, in which grayed out circles are past shows, green circles are bargain shows, and a blue dot represents an upcoming show.

The site also offers a "Get Tickets" option, which allows users to buy tickets through Fandango.com. If a theater does not allow ticketing through Fandango, the button is replaced with a "Ticket Info" option that forwards to the theater's website.

Program Coordinator

Continued from page 1.

tips. In addition, we will take a closer look at what is available on your Mac without adding any software. This will include how to make a slide show using iPhoto. This will include how to share your slide show with others.

To find out what's happening, GAAB is the place to be. So be sure to be at our September meeting and every meeting to find out the best information about the Mac.

The September meeting will be held at St. Mary's Hospital in the Leonard Board Room on Wednesday, September 8, 2009. The meeting will begin at 7:00 p.m. St. Mary's Hospital is located at 1300 Massachusetts Avenue in Troy NY.

However, the best route to take from the Northway is the following:

1. Merge onto NY-7 East from the Northway.
2. Follow Route 7 to Troy where it becomes Hoosick Street.
3. Turn left on Oakwood Avenue (10 Street/NY-40) which is the first light after the bridge and bare right.
4. Turn right on Sausse Avenue. Turn left onto Lindenwood Court. When you come to the first entrance to the hospital parking lot, turn left and park.



Microsoft Announces Office for Mac 2011

by Dan Miller, Macworld

Microsoft provided the most extensive look yet into the next version of the Mac version of its popular Office suite on Thursday at Macworld 2010. The new product, Microsoft Office for Mac 2011, will arrive in time for the 2010 holiday season.



Macworld spoke with several representatives of the company's Mac Business Unit, who told us the company is focusing on three things with this new release: better compatibility across platforms, improved collaboration tools, and a more refined user interface. Also, as Microsoft announced last August, the suite will include Outlook for Mac, which replaces Entourage as Office's e-mail client. And, in keeping with Microsoft's 2008 promise, the new version of Office will offer renewed support for Visual Basic, which was dropped in the 2008 version of the productivity suite.

Compatibility, collaboration

To the Mac Business Unit, compatibility means more than making sure that documents, spreadsheets, and presentations created on one platform open and render correctly on the other. Noting that roughly three quarters of their Mac users use Windows at least occasionally, Microsoft's Mac team says it's also working to make the new Office for the Mac more functionally compatible with the Windows edition.

"Nowadays, compatibility means more than just file formats," Microsoft's Kurt Schmucker told Macworld. "It's also workflow, collaboration, and user interface."

To that end, the new version of Office will incorporate document-collaboration features that take advantage of Microsoft's online storage features. With Office for Mac 2011, Mac users will be able to share files and collaborate on documents with other Mac and Windows users via Microsoft's SharePoint, SkyDrive, and Office Web Apps.

Those online tools will allow users to collaborate on documents with other Windows and Mac Office users in real time, much as you can in Google Docs now. You could, for example, create a document in Word on your laptop, save it to SkyDrive, then share it with others. A pop-up in Word will show you who's working on the document; click on that list, and you'll be able to send them a message (as long as everyone is using Outlook or Microsoft's Messenger IM application). The paragraphs your collaborators are working on will be locked out until they're done. You'll also be able to edit those same documents from any computer, using Office's Web apps. Mac users will have the same experience in the their versions of Safari and Firefox as Windows users get with their browsers, Schmucker said.

Lessons learned

Microsoft also says it's learned from user feedback about Office 2008 and has tweaked the user interface accordingly in Office 2011.

Most notably, there's a new Ribbon at the top of each document window. (If you want a preview, check out Office for Windows; the ribbon is already in there, although the Microsoft Mac team members we spoke to said they had learned a lot from the criticism the Ribbon took when launched on Windows.) The Mac version of the Ribbon doesn't replace any menu bars, but it does replace Office 2008's controversial Elements Gallery, which took some fire from Mac users for its size and inflexibility. This new Ribbon is designed to give users quick access to each program's most commonly used tools. Unlike the Elements Gallery, the ribbon is customizable and, if you want more screen space, completely collapsible.

The new suite will also feel more Mac-like than Office 2008. For example, the Ribbon is built entirely using Apple's Cocoa development framework, and takes advantage of Apple's Core Animation system. (As a result, Ribbon tabs will slide smoothly when you rearrange them.) If you click on some Ribbon tools, they will expand



smoothly into popovers that don't obscure the document you're working on. We even spied a non-modal search box on the right side of the toolbar, right where you'd expect it to be, allowing you to quickly search through documents without having your content blocked by a floating box.

Summarizing the interface changes, Microsoft's Han-Yi Shaw likened Office 2008 to a teenager--"a little quirky"--but said the new edition is Office matured. "This is the version that everyone wanted," he said.

Shaw added that the Mac team at Microsoft worked hard to adopt Apple technologies while also making sure their product was recognizably Microsoft Office. "We're at a cross-section of Mac and PC, and because we're die-hard Mac users, we look at the [Office] technology and try to translate it," he said. "Following the Apple design philosophy really takes you in the right direction."

Outlook and Visual Basic

The other big news in Office 2011 is the demise of Entourage and the return of Outlook.

The new Outlook will support PST imports (allowing you to move an Outlook installation, including all your old e-mails, from a Windows PC to a Mac). It will also support Microsoft's Information Rights Management (IRM), which allows senders to specify what recipients can do with messages (print, forward, and so on). Previously-Windows only, IRM is required in some corporate settings. IRM support in Office 2001 is aimed at Mac users in cross-platform environments, Schmucker said: "It's been a blocker for some companies because the Mac support was not there."

And Microsoft has re-engineered the Outlook message database system to be a series of small files, so it's more easily backed up with Time Machine and searched in Spotlight. "Outlook's new database is more reliable, faster, and fully supports Time Machine and Spotlight," Schmucker said.

Finally, power users will be glad to see the return of the Visual Basic macro language. Visual Basic was dropped from Office 2008 in part because it was technically difficult to port it to the Mac's then-new Intel CPUs. Microsoft says it began work on that port as far back as 2008--before the last Mac Office shipped. That work is now complete. And the Mac suite will be using the most up-to-date version of Visual Basic, so it'll be much more compatible with Office for Windows than the Visual Basic in previous versions of Office for Mac.

Apple Updates iPod Touch with Cameras, Facetime

The new 2010 iPod Touch has been revealed, including features that were expected but not included on the 2009 model.



At just 7.2mm thick, the new Touch has shed some of its bulk including that rounded back many users complained about. A new microphone is included to support FaceTime, but should also work with other applications on the App Store.

As expected the new iPod Touch is running on Apples A4 processor just like the iPad, iPhone 4, and newly released AppleTV. While Apple doesn't like to publicize the amount of RAM in iOS devices, the current generation iPhone has 512MB so that would be a safe bet for the iPod Touch.

Apple also gave the new touch a significant screen upgrade: Apple's Retina display at 960x540 resolution.

Like the iPhone 4, the new Touch also has a 3 axis gyroscope to augment the 3 axis accelerometer already present in earlier models. It does not have a magnetometer (digital compass), something the iPhone has had since the 3GS was released in 2009.

The rear facing camera is able to record 720P HD video at 30 frames per second, and like the iPhone 4, users can upload directly to YouTube or MobileMe, or purchase Apples iMovie app to edit videos right on the device.

The front facing camera, which is a 640x480 standard definition sensor, will support Facetime, potentially opening up Apples new open video calling system to millions of users who don't have iPhones.



Last year Apple kept the 2nd generation 8GB Touch as an entry level model, however this year Apple is selling the new 4th generation device for all price points, 8GB for \$229, 32GB for \$299, and 64GB for \$399.

New AppleTV Loses the Hobby, Gains Streaming and TV Rentals

Apple has finally taken the Apple TV out of ‘hobby’ status and loaded it up with features that will appeal to a wider audience.



The new AppleTV model shrinks from 7” square, for the previous model, to just 3.9” square and slightly less than 1” tall. In sharp contrast to the older model, which was essentially a Mac running special software, the new AppleTV is an iOS device running on Apple’s own A4 ARM processor.

The move to an ARM processor means the new AppleTV is much cooler and more power efficient than the older model. Note that the new AppleTV does not have an App Store at this time, though it is nearly certain that it will be jailbroken at some point.

One potentially significant feature has been removed due to the architecture switch and the smaller size of the AppleTV, there is no longer an analog component video output on the back of the device, only HDMI is available though there is a standard optical audio port still present.

Wi-Fi networking is still present, and includes support for 802.11n networks as well as the older 802.11g and 802.11b variants.



Wired ethernet is also still present, but has been reduced in speed to 100Mbps. The previous model included Gigabit ethernet to make syncing with iTunes faster, however the 2010 AppleTV no longer needs to sync anymore because it is exclusively a streaming device.

There is no hard drive, nothing to sync or move around, and according to Jobs, no purchasing content. Everything is a rental or a stream from another device in your house, though you can still purchase movies and other content on your computer and stream it to the AppleTV.

Announced simultaneously is Apples new push to offer rental TV shows for \$0.99 each, starting with content from ABC and Fox networks. Users will be able to keep track of new episodes and watch them immediately using Apples Streaming technology.

Another major feature addition is a tie in with the other iOS devices in Apples lineup, the iPhone, iPod Touch, and iPad, which will all support Apple’s replacement for AirTunes, now called AirPlay. Users will be able to stream content from other iOS devices to the AppleTV, or shift from one device to another as they see fit. You can start watching a movie on your iPad, then sit down on your couch at home and shift over to watching on the AppleTV.

Netflix is also now available on the AppleTV, providing users with access to a large library of streaming content including previous TV seasons and movies that have been released on DVD. Netflix still requires a separate subscription fee.

Of course you can still use your iPhone, iPod Touch or iPad as a remote control for the AppleTV; if you need to search for a movie or TV show by name on the AppleTV, you can use the keyboard on your iOS device to do it from the couch instead of using the included aluminum remote control.

Perhaps the most significant change for the new AppleTV is the price. Many users felt that the older model which retailed for between \$229 and \$300, was far to expensive for what was essentially an iTunes extender. The new model will be available for \$99 starting some time in September.





Apple Announces New iPod Shuffle, Nano

Apple's 2010 music event brought a number of welcome updates to most of the models in the iPod lineup. The shuffle has regained the buttons that were removed in the 3rd generation models, the nano became much smaller and gained a clip much like the shuffle has, and the nano also became an iOS device complete with a multitouch screen.

Apple's 4th generation iPod Shuffle returns to a more square form factor and regains the buttons that were completely removed from the 3rd generation.

Storage available for songs is still 2GB, and pricing is still \$49.

Genius mixes are now available on the iPod Shuffle as well as multiple playlists. The VoiceOver assist features are still present, including



a new VoiceOver button on the top edge. One press will announce the artist and name of the song currently playing, twice to hear battery status, and hold for the playlist menu.

Because the buttons have returned, it is now possible to reach down and change the volume, or pause/play the music, or switch tracks without having to use the headphone wire controls.

The 6th generation iPod Nano completely transformed into an iOS device this time, replacing the click wheel that has been with the model since it was introduced back in 2005, with a beautiful 1.5-inch TFT, 240px by 240px multitouch screen.

Pricing for the new model is \$149 for the 8GB version and \$179 for the 16GB version, which are both available today with a shipping time of one week.

The new Nano is still made out of anodized aluminum and comes in a variety of colors, including a PRODUCT RED model as well as silver, grey, blue, green, orange and pink. It also retains features like Nike+, and the FM radio tuner.

Using the new Nano is similar to any other iOS device, there is a sleep/wake button on the top edge as well as 2 physical volume buttons. The home screen can be rearranged just like other iOS devices, tap and hold an icon, then reorder them or drag them to a different screen.



Unfortunately, unlike other iOS devices the new Nano does not support Apps at this time, however it is likely the device will be jailbroken at some point in the near future.

There is no longer a camera on the 6th generation iPod Nano, possibly because there is simply no room for one.

The device does include an accelerometer, and the orientation of the screen can be set by using two fingers to rotate the view. This makes it possible to use the nano no matter how it has been clipped onto your clothing.



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