

iOS 13 Seminar topics

(This is for the Advanced teaching session in the afternoon)

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The afternoon session is targeted for persons who are advanced in their use of Voiceover on an Apple iOS device and who are interested in learning about the new features in the Apple iOS 13 software.

The morning session will be dedicated to the basics of Voiceover and overview of accessible apps for the iDevice.

With the release of iOS 13.0 on September 19, and iOS 13.10 on September 30th: There are two operating systems for iDevices: iOS for the iPhone and new iPod Touch, and iPad OS for iPad and iPad Pro. Most of the new features will be the same on both OS, but there will be different gestures for iPad OS to

take advantage of the larger screen and additional tools. Here are some highlights for Voiceover users.

iOS 13 includes several major updates that will utilize hardware found in the latest iDevices to enhance battery life and to speed-up loading and running apps. Apple is concerned with security and privacy, and iOS 13 will include various ways you can maintain your privacy while using the Internet. SIRI will get a major upgrade with a new voice. Safari, Notes, and mail will get updates to increase performance and functionality. In addition, there will

be external drive support where you can attach a device to save files and to work on large projects.

Topics to be covered:

Faster Face ID unlock:

Unlocking iPhone X, iPhone XS, iPhone XS Max, and iPhone XR is up to 30 percent faster.

Enhanced Haptic Feedback:

You can turn the Haptic Feedback off or on, globally, or you can customize this feature. Go to Settings, Accessibility. Note that Accessibility is now on the main route of the Settings App. Go to Voiceover, Go to Audio, Go to Sounds and Haptics, Navigate to the Haptics Heading. You can turn Haptics on or off or customize Haptics here.

Touch Explore Gesture:

When you touch and then slide your finger along, the Voiceover response is much faster. This allows faster navigation.

Modify and Customize Voiceover Touch Gestures:

You can find this under Settings, Accessibility, Voiceover, Commands, navigate to Touch Gestures Heading.

For example: You can modify the Rotor 2 finger turn gesture to a 2 finger slide left or right gesture to invoke the Rotor.

Silence Unknown Callers:

A new setting protects users from unknown and spam callers. When the setting is turned on, iOS uses Siri intelligence to allow calls to ring your phone from numbers in Contacts, Mail, and Messages. All other calls are automatically sent to voicemail. This new option in Settings will automatically silence

calls from callers who are not in your Contacts app, Messages app or Mail app. The call will automatically go to your Voicemail. You can then go in later

and listen to the message to see if it was important. If you are using Visual Voicemail, you can read the text transcript to judge.

If you head to the Settings app, then tap on Phone , you will see a new toggle for Silence Unknown Callers . When this is enabled, iOS uses Siri intelligence

to allow calls to ring your phone only if the number is found in your Contacts, Mail, or Messages. Calls from any other number go straight to voicemail.

Select Wi-Fi and Bluetooth Networks from Control Center:

If you press and hold the Wi-Fi or Bluetooth toggles in Control Center you will be able to switch between available networks or directly open the Settings

section.

Apple is letting users switch between different Wi-Fi networks right from the Control Center.

Slide to Type:

The Quick Type keyboard now includes Quick Path, so you can swipe your finger from one letter to the next to enter a word without removing your finger from the keyboard.

Use the example of sliding to type to type the word "Hello". Touch the letter "H" and hold for a fraction of a second and then slide your finger to the letter "e" and hesitate for a slight hesitation, then slide your finger to the letter "l", and the auto correct should come up with the word Hello, just lift your finger to enter the word Hello in the Edit field.

Verticle Scroll Bar:

This is a useful tool to quickly get where you want to be in places where there are many pages. Instead of flicking up with three fingers to go one page at a time, you can use the Vertical Scroll Bar. For example: if you are in the News app and there are many pages of stories... Touch with one finger on the top right hand side of the screen, just below the status line. This is like the "Table Index Scroll Bar" when you are in the main route of the Contacts

app. You can now flick up or down to go quickly at percentage rates. You can also touch the Vertical Scroll Bar at the far bottom right of the screen, once you have performed a four finger single tap gesture at the bottom of your screen, and this takes you to the last page at 100%.

To quickly to get to the top of a large document or place where there are multiple pages, you can jump to the top by bringing focus to the status bar and double tap. This jumps you to the top.

Smarter share sheet

When you share a photo or document, receive a suggestion about who you might want to share it with and which app you may want to use, so you can share

with just a tap.

Easily see how many people around you are available for AirDrop. Apps are even intelligently sorted based on the content you are sharing.

Hide My E-mail Address:

Not sure you want to share your e-mail address with a particular app? You are in control. You can choose to share or hide your e-mail address. You can also choose to have Apple create a unique e-mail address for you that forwards to your real e-mail address.

Apple is launching its own login platform called Sign in with Apple, which will let you log in to outside apps with FaceID. It has the option to hide your real email address and instead give each app a randomly generated email address.

Sign in with Apple will let users create an account in an app or a website without giving out any personal information. Apple will authenticate the user with Face ID or Touch ID and that will be it.

Mail:

Mail app gets desktop level text formatting support. You can change the font, font size, color, indentation and more right in the compose box.

New Extended Reply Menu in Mail

Apple has crammed every actionable item inside the new Reply menu. Tap on the Reply button to see the Reply, Forward, Reply All, Move to Junk, Mark as

Unread and more options.

When you press the reply button you will see a new sheet. It will have buttons for Reply, Forward, Delete, Flag, Unread, Move and Archive.

You can block all email from a specified sender. New emails from them will go directly to Trash.

Mail is adding more fonts and formatting options, Notes has a new look, and the Reminders app has been beefed up with a number of new features, including tagging people and making smarter to-do's.

Contacts:

You can now choose from hundreds of new specific relationship labels to better manage your contact book.

If you add someone's birthday in the Contacts app, the Photos tab will highlight your photos of them on their birthday.

Reminders App:

Apple rewrote the Reminders app from the ground-up. First of all, it's much easier to create reminders using Natural Language Processing. Just write the reminder and the app figures out things about time and date.

Siri suggested reminders: When you are chatting with someone in Messages, Siri recognizes possible reminders and makes suggestions for you to create them.

Smart lists: Keep track of your upcoming reminders with smart lists that automatically organize and display them. See only your reminders scheduled for

today, reminders flagged as important, or all your reminders across every list in one place.

Tag someone in a reminder and the next time you are chatting with that person in Messages, a reminder will surface right then and there.

Find My Phone and Find My Friends Apps combined:

The Find My App is the amalgamation of the Find my iPhone And Find my Friends app. And it works with finding even devices that are offline.

It uses Bluetooth beacons that send encrypted traffic from one device to another in the network.

Safari:

New Start page in safari includes favorites, frequently visited and recently visited websites.

Save Open Tabs as Bookmarks: There's a new option in Safari to quickly save all open tabs as bookmarks.

Automatically Close Tabs in Safari: If you have a lot of open tabs, you'll see the option to automatically close tabs when you long press the Tabs icon.

You can access this from Settings as well. When enabled, the feature will automatically close tabs that have not been viewed recently.

Now, when you are sharing a web page from Safari to Mail, you can share it as a web link, a PDF or a Reader View text from the Share sheet.

Voice Control:

Voice Control, will work well with Voiceover.

Voice Control uses the Siri speech recognition engine to give you the latest advances in machine learning for audio-to-text transcription.

Voice Control is new to iOS 13 and it will allow you to speak commands to complete a task, step-by-step. You can also use Voice Control to open and control apps, to access system menus, and to select screen elements.

Voice Control understands contextual cues, so you can seamlessly transition between text dictation and commands. For example, say "Happy Birthday. Tap send." in Messages, and Voice Control sends "Happy

Birthday". just as you intended. You can also say "Delete that," and Voice Control knows to delete what you just typed.

USB External Drives:

Access files on a USB drive, SD card, or hard drive.

Create folders on the local drive and add your favorite files.

Dark Mode:

One of iOS 13s most highly anticipated changes is also one of its simplest. The latest version of Apples mobile operating system finally introduces a Dark Mode for your iPhone and iPads interface. Once it's on, formerly white interface elements of iOS change to black (or a deep slate gray), and the text shifts to a brighter color for better legibility. That means that many Apple apps (such as Mail and Music) will now put less of a strain on your eyes at night, and Dark Mode may even improve your battery life.

Turn on Dark Mode with Siri: The absolute easiest way to turn on Dark Mode is to simply tell Siri to turn it on.

To turn it on, say, "Hey, Siri, turn on Dark Mode" or "Hey, Siri, turn on Dark Appearance. It will immediately switch over. To turn it off, say, "Hey

Siri, turn off Dark Mode" or "Hey, Siri, turn off Dark Appearance.

Turn on Dark Mode through Control Center: To turn on Dark Mode through your iPhone or iPads Control Center. Open Control Center by swiping down diagonally

from the upper-right corner of your devices display. Hold down on the Brightness indicator. It's the one with the sun icon. In the full-screen interface that pops up, you will see a toggle for Appearance: Light in the lower left. Press it, and your phone will immediately switch to Dark Mode (and the toggle will now read Appearance: Dark). Alternatively, you can add a shortcut to Control Center so you can cut out a step. Go to Settings > Control Center>Customize Controls. At the bottom, you will see Dark Appearance under the section Heading More Controls . Press the green plus sign to the left and iOS will add it to your main Control Center interface. From now on, whenever you want to turn on Dark Mode, just open your Control Center and press that

icon. The icon looks like a half-moon with a circle inside it (or, if you prefer, a black-and-white Pokéball or the Death Star).

Turn on Dark Mode through the Settings app: Open the Settings app. Press Display & Brightness . At the top, you will see two configurations for Light or Dark . Press Dark . You are in Dark Mode. You will also see a toggle for Automatic . Flip that toggle to green if you would like for your iPhone to automatically switch to Dark Mode between sunrise and sunset.

Camera:

There is now spoken and haptic guidance when taking photos. It will tell you when a face or object is centered and give auditory and haptic feed back.

You can also take a picture, or video, by pressing the up or down volume buttons. This is not new but people do not know about this feature.

Normally the Volume Up button will increase the sound level of everything from your ringer to the music or video you're listening to. When you launch the Camera app, however, the Volume Up button transforms into a shutter release button, letting you snap pictures with a squeeze of a finger. As a special bonus, if you have headphones paired, and you launch the Camera app, the headphones volume button becomes a long-distance remote shutter release!

When the picture is taken, you can label that photo with a Voiceover label.

locate the picture from your camera role, it will already be labeled with a date and time.

Open the picture with a one finger double tap. Flick right until you hear the date and time that the photo was taken: for example "October 1, 2019 5:37PM.

Perform a two finger double tap and hold on the second tap.

You will hear a three long beep sound. This brings up the on screen keyboard and places the Voiceover cursor in the first element of a editable text field.

Type the name of the photo: such as picture of my tabby cat "Phil" playing with a scrunched paper ball, on October 1, 2019.

This also works with Screen Shots.

Then locate the "Save" button which is located near the upper right on the screen, or you can keep flicking left with one finger until you locate the Save button. Perform a one finger double tap.

Your photo will now have a text label when you are in the camera role of your photos app.

iPad iOS 13:

iPad OS 13 will help take the iPad to the next level. There will be a new home screen where iPad OS 13 will finally take advantage of the iPad's screen real estate and allow you to customize your workspace. You can set multiple windows and anchor widgets to your home screen. New gestures will allow you to control your iPad in new ways and pencil support is included between all apps. Plus, you can now connect an external keyboard, an external file drive, or a monitor to an iPad. Finally, Voice Control and SIRI commands will enhance your accessibility with navigating screen layout, working with apps, and completing tasks. Some analysts see the iPad and iPad Pro running iPad OS 13 as a possible replacement for a laptop.