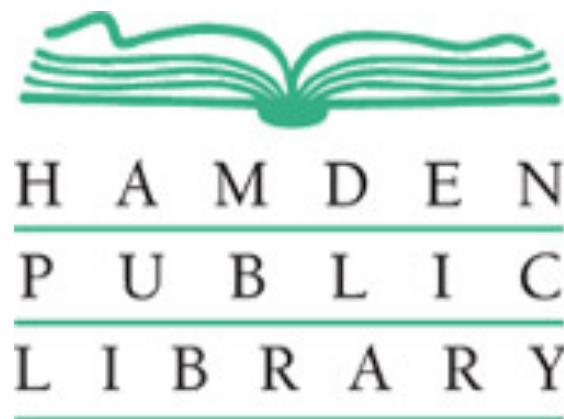


Introduction to iOS

Questions? Email us: info@hamdenlibrary.org

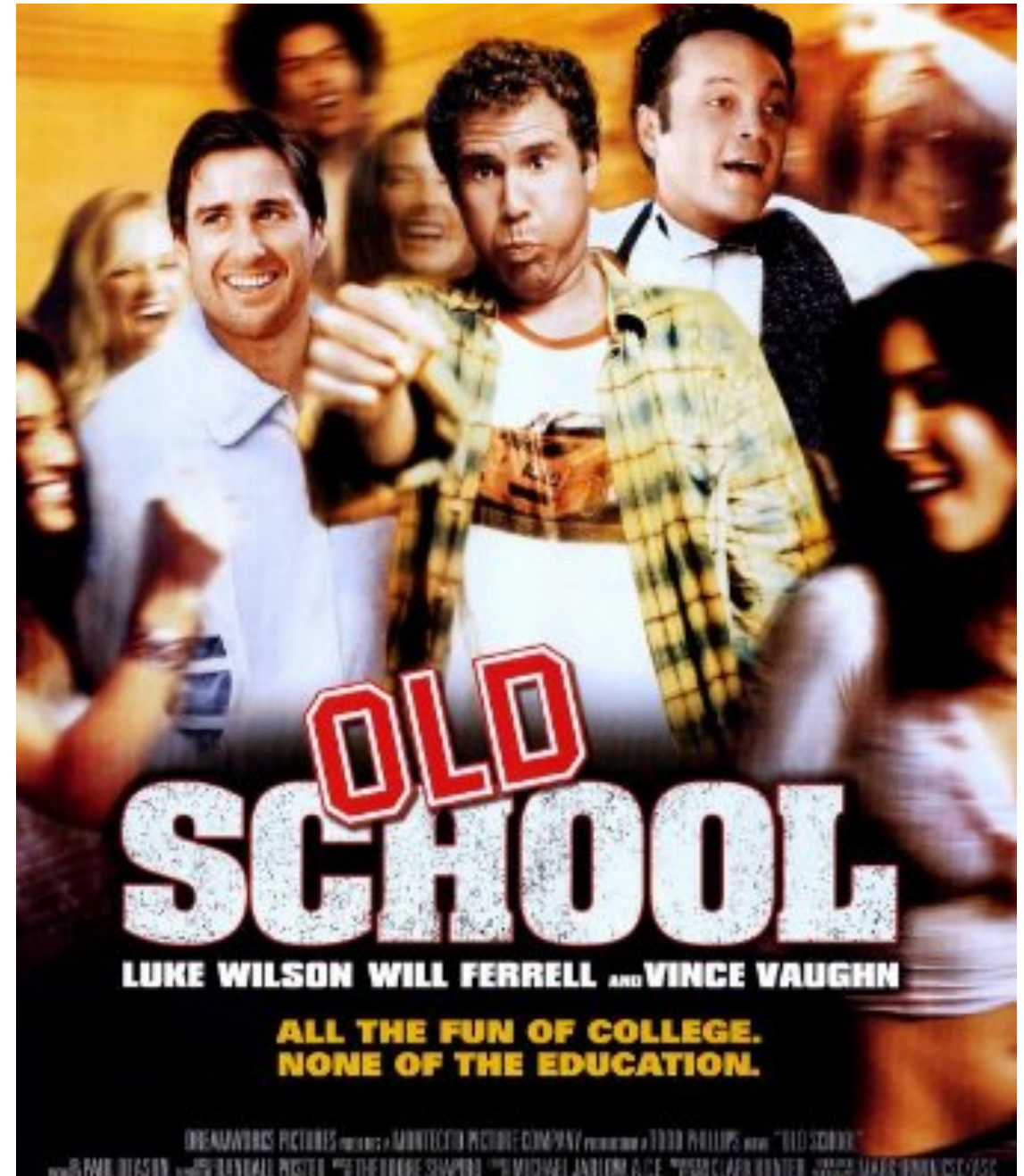


Class Agenda

- What is an “OS”?
- What’s iOS 12?
- What is the future of iOS?
- Basic Gestures
- Wake & Unlock
- Connecting to Wi-Fi
- The Home Screen
- Control Center
- Lock Screen
- Using iPhone as... a Phone??
- Typing Text
- Magnify the screen
- Change iPhone sounds and vibrations
- Text Messages
- Notifications
- 3D Touch

What does “OS” even mean?

- OS is not old school
- OS stands for “operating system”
- Every computerized device needs an OS to run
- Besides iOS, other examples include: Windows, MacOS, Android, Linux





iOS 12

The End of an Era

The Past and Present

- The iPhone debuted on June 29, 2007.
- The first iPad was released on April 3, 2010.
- Until now, the iPhone and iPad have shared the same operating system: iOS

The Future

- On June 3rd, 2019, Apple announced a new operating system for iPad ONLY.
- Set to debut this Fall, iPadOS will be the new operating system for iPad.
- Meanwhile, iPhone will continue to use iOS, with version 13 also coming this Fall.

iPadOS vs. iOS

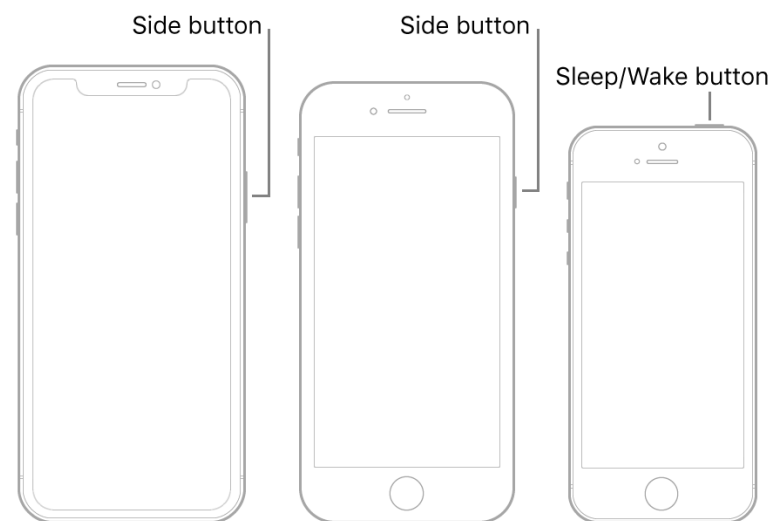
- So iPad will have its own operating system. What does that mean?
- iPadOS includes some extra features that allow it to do more things like a Mac computer
- But don't worry! iPadOS is based on iOS so it looks and feels very similar.

Basic Gestures

- **Tap.** Touch one finger lightly on the screen.
- **Press.** Press the screen firmly with one finger on models with 3D Touch. Touch and hold on models without 3D Touch.
- **Swipe.** Move one finger across the screen quickly.
- **Scroll.** Move one finger across the screen without lifting. For example, in Photos, you can drag a list up or down to see more. Swipe to scroll quickly; touch the screen to stop scrolling.
- **Zoom.** Place two fingers on the screen near each other. Spread them apart to zoom in, or move them toward each other to zoom out. You can also double-tap a photo or webpage to zoom in, and double-tap again to zoom out. In Maps, double-tap and hold, then drag up to zoom in or drag down to zoom out.

Wake iPhone

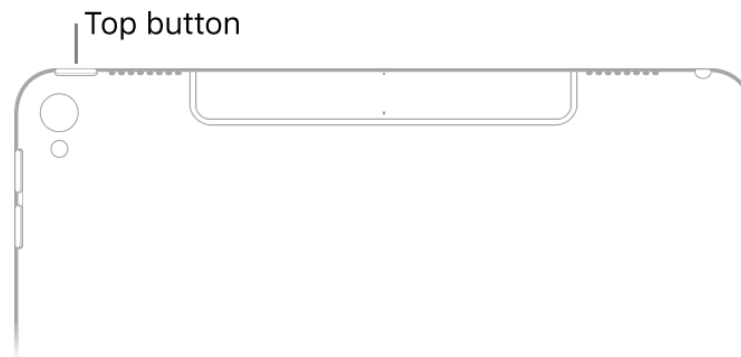
- To wake iPhone, do one of the following:
- Press the side button or Sleep/Wake button (depending on your model).



- Raise iPhone (XS Max, XS, XR, X, 8 Plus, 8, 7 Plus, 7, 6s Plus, 6s, SE). You can turn off Raise to Wake in Settings > Display & Brightness.
- Tap the screen (iPhone XS Max, XS, XR, X).

Wake iPad

- To wake iPad, do one of the following:



- Press the top button.
- Or tap the screen (11-inch iPad Pro or 3rd generation 12.9-inch iPad Pro).

Unlock iPhone

Face ID (iPhone X & later):

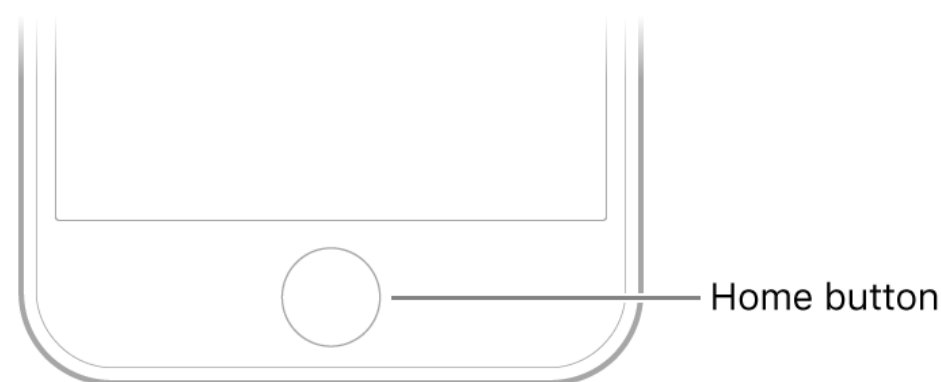
1. Tap the screen or raise iPhone to wake it, then glance at your iPhone. The lock icon animates from closed to open to indicate that iPhone is unlocked.
2. Swipe up from the bottom of the screen.

To lock iPhone again, press the side button. iPhone locks automatically if you don't touch the screen for a minute or so.

Unlock iPhone

Touch ID (models with a Home button):

Press the Home button using the finger you registered with Touch ID.



To lock iPhone again, press the side button or Sleep/Wake button (depending on your model). iPhone locks automatically if you don't touch the screen for a minute or so.

Unlock iPhone

Unlock iPhone with a passcode:

1. Swipe up from the bottom of the Lock screen (iPhone X and later) or press the Home button (other models).
2. Enter the passcode.

To lock iPhone again, press the side button or Sleep/Wake button (depending on your model). iPhone locks automatically if you don't touch the screen for a minute or so.

Unlock iPad

Unlock iPad with Face ID:

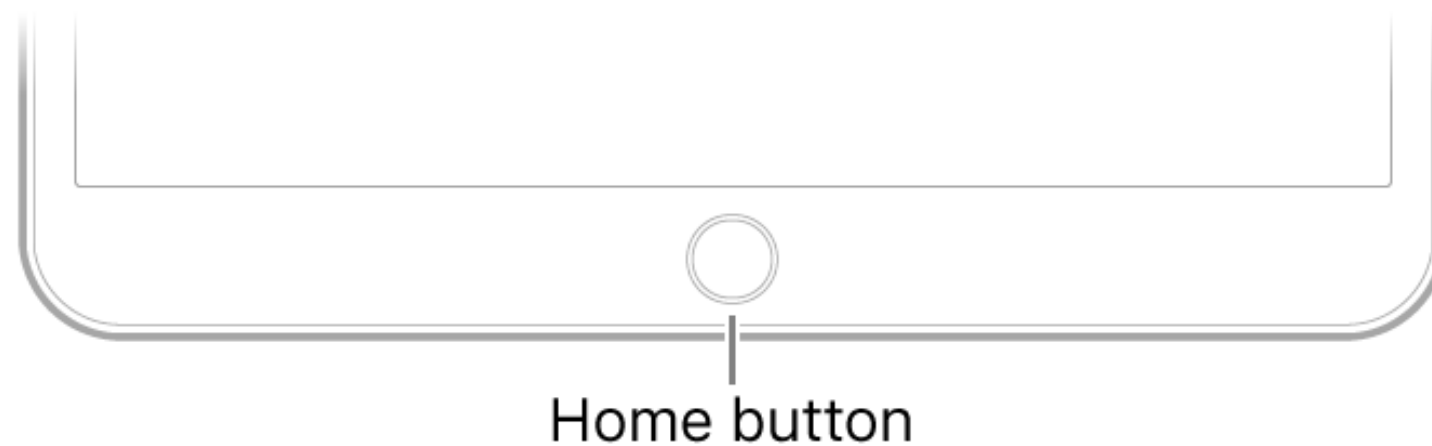
1. On supported models, tap the screen, then glance at your iPad. The lock icon animates from closed to open to indicate that iPad is unlocked.
2. Swipe up from the bottom of the screen to view the Home screen.

To lock iPad again, press the top button. iPad locks automatically if you don't touch the screen for a minute or so. However, if Attention Aware Features is turned on in Settings > Face ID & Passcode, iPad won't dim or lock as long as it detects attention.

Unlock iPad

Unlock iPad with Touch ID

On supported models, press the Home button using the finger you registered with Touch ID.





Unlock iPad

Unlock iPad with a passcode:

1. Swipe up from the bottom of the Lock screen or press the Home button.
2. Enter the passcode (if you set up iPad to require a passcode).

To lock iPad again, press the top button. iPad locks automatically if you don't touch the screen for a minute or so.

Connect to WiFi

- Tap on 
- Tap on Wi-Fi
- Tap the name of a network to join it
- If you are prompted for a password, you must enter it exactly (case-sensitive)
- Sometimes you may have to agree to terms of use (Public Wi-Fi only)
- If you see  on the top left or right of the screen, you are connected.

The Home Screen

The Home screen shows all your apps organized into pages. More pages are added when you need space for apps.

- To go to the Home screen, swipe up from the bottom edge of the screen (iPhone X and later) or press the Home button (other models).
- Swipe left or right to browse apps on other Home screen pages.
- To open an app, tap its icon on the Home screen.
- To return to the first Home screen page, swipe up from the bottom edge of the screen (iPhone X and later) or press the Home button (other models).

Control Center

Control Center gives you instant access to airplane mode, Do Not Disturb, a flashlight, and other handy features.

Open Control Center:

- *iPhone X and later:* Swipe down from the top-right edge. To close Control Center, swipe up from the bottom.
- *Other models:* Swipe up from the bottom. To close Control Center, swipe down or press the Home button.

Lock Screen






You can access a lot of features without unlocking your device. On the lock screen, try any of these:

- *Open Camera*: swipe left.
- *Open Control Center*: swipe up from bottom edge
- *See earlier notifications*: swipe up from center
- *See Today View*: swipe right

Using iPhone As a Phone

- To start a call in the Phone app, dial the number on the keypad, tap a favorite or recent call, or choose a number in your Contacts list.

Dial manually

- Tap Keypad.
- Do any of the following:
- *Enter the number using the keypad:* If you make a mistake, tap .
- *Redial the last number:* Tap  to see the last number you dialed, then tap  to call that number.
- *Paste a number you've copied:* Tap the phone number field above the keypad, then tap Paste.
- *Enter a soft (2-second) pause:* Touch and hold the star (*) key until a comma appears.
- *Enter a hard pause (to pause dialing until you tap the Dial button):* Touch and hold the “#” key until a semicolon appears.
- *Enter a “+” for international calls:* Touch and hold the “0” key until “+” appears.
- Tap  to start the call.
- To end the call, tap .

Using iPhone As a Phone

- To start a call in the Phone app, dial the number on the keypad, tap a favorite or recent call, or choose a number in your Contacts list.

Call your favorites

Tap Favorites, then tap one to make a call.

To manage your Favorites list, do any of the following:

Add a favorite: Tap $+$, then choose a contact.

Rearrange or delete favorites: Tap Edit.

Using iPhone As a Phone

Return a recent call

1. Tap Recents, then tap one to make a call.
2. To get more info about a call and the caller, tap ⓘ
A red badge indicates the number of missed calls.

Call someone on your Contacts list


1. In the Phone app, tap Contacts.
2. Tap the contact, then tap the phone number you want to call.

Using iPhone As a Phone

Make emergency calls on iPhone

In case of emergency, use iPhone to quickly call for help. With Emergency SOS, you can quickly and easily call for help and alert your emergency contacts.

Dial the emergency number when iPhone is locked:

1. On the Passcode screen, tap Emergency.
2. Dial the emergency number (for example, 911 in the U.S.), then tap  .

Using iPhone As a Phone

Use Emergency SOS (in all regions except India):

- *iPhone 8 and later:* Press and hold the side button and either volume button. Continue to hold the buttons when the Emergency SOS slider appears, until iPhone plays a warning sound and starts a countdown. (To skip the countdown, drag the Emergency SOS slider.) When the countdown ends, iPhone calls emergency services.
Or, you can enable iPhone to start Emergency SOS when you click the side button five times. Go to Settings > Emergency SOS, then turn on Call with Side Button.
- *Other models:* Click the side button or Sleep/Wake button (depending on your model) five times, then drag the Emergency SOS slider.

After the emergency call ends, iPhone alerts your emergency contacts that you made a call and sends them your current location (if available).

Using iPhone As a Phone

Change your Emergency SOS settings

1. Go to Settings > Emergency SOS.
2. Do any of the following:
 - *Turn Auto Call on or off:* When Auto Call is on and you start Emergency SOS, iPhone plays a warning sound, starts a countdown, then calls the emergency services in your region.
 - *Turn the countdown sound on or off:* When Countdown Sound is on, iPhone plays a warning sound even in silent mode or when Do Not Disturb is turned on.
 - *Manage your emergency contacts:* Tap Set Up Emergency Contacts in Health or Edit Emergency Contacts in Health.

Typing Text

In any app that allows text editing, open the onscreen keyboard by tapping a text field. Then tap keys to type. If you touch the wrong key, you can slide your finger to the correct key. The letter isn't entered until you release your finger from the key.

While entering text, you can do any of the following:




- *Type uppercase letters:* Tap Shift, or touch the Shift key and slide to a letter.
- *Turn on Caps Lock:* Double-tap Shift.
- *Quickly end a sentence with a period and a space:* Double-tap the Space bar.
- *Enter numbers, punctuation, or symbols:* Tap the Number key or the Symbol key .
- *Undo the last edit:* Shake iPhone, then tap Undo.
- *Enter emoji:* Tap 😊 or 🌐 to switch to the Emoji keyboard.
- *Enter accented letters or other alternate characters:* Touch and hold a key, then slide to choose one of the options.

Typing Text

While entering text, if you see a word underlined in red, you can correct it.



1. Tap the underlined word to see suggested corrections.
2. Tap a suggestion to replace the underlined word.
If the word you want doesn't appear, type the correction.

To make it easier to type with one hand, you can move the keys closer to your thumb (all models except iPhone SE and iPhone 5s).

1. Touch and hold  or .
2. Slide to choose one of the keyboard layouts. (For example, choose  to move the keyboard to the right side of the screen.)

Typing Text

You can turn typing features, such as spell check and auto-correction, on or off.

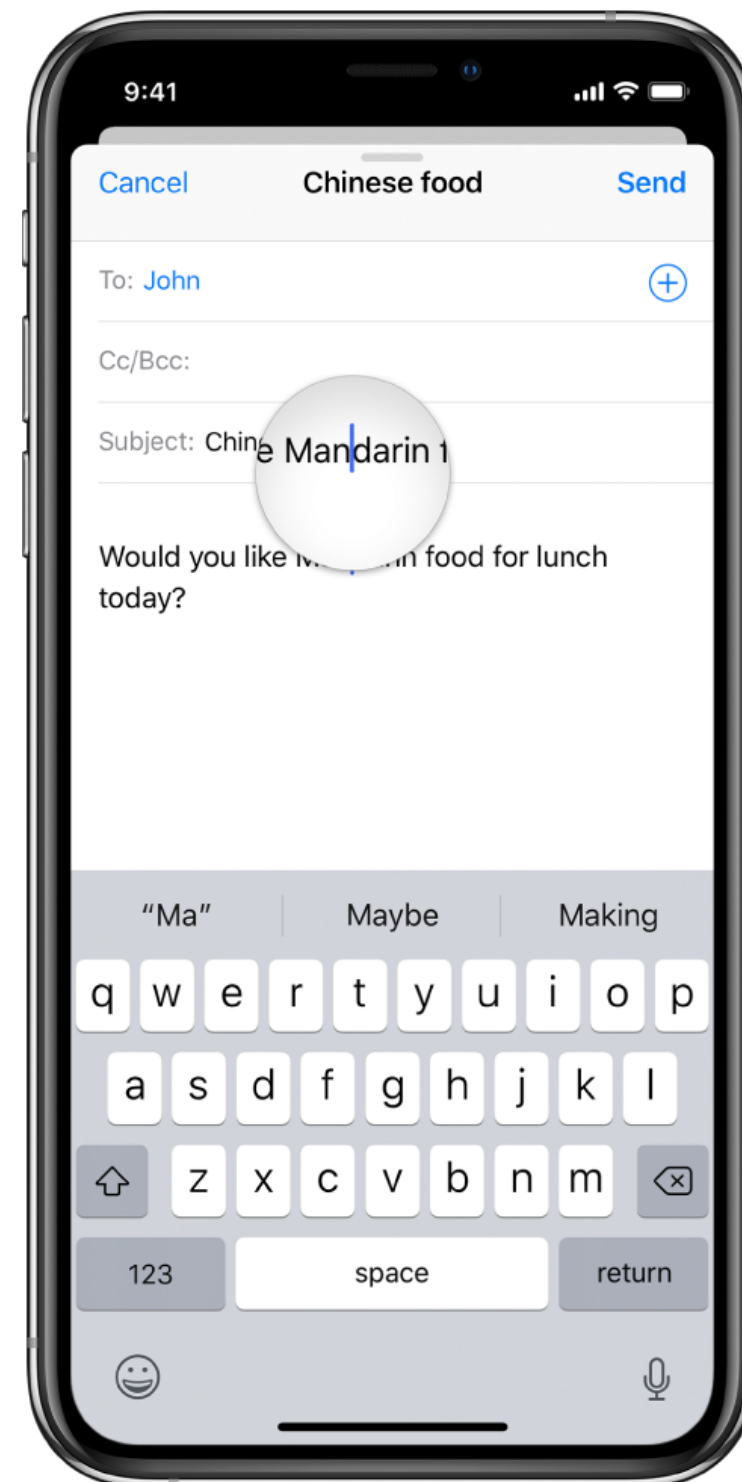
1. While typing text using the onscreen keyboard, touch and hold  or , then slide to Keyboard Settings. You can also go to Settings > General > Keyboard.
2. In the list, turn special typing features on or off.

On iPhone 6 and later, the onscreen keyboard includes additional keys, which you can see when you hold iPhone in landscape orientation.

Typing Text

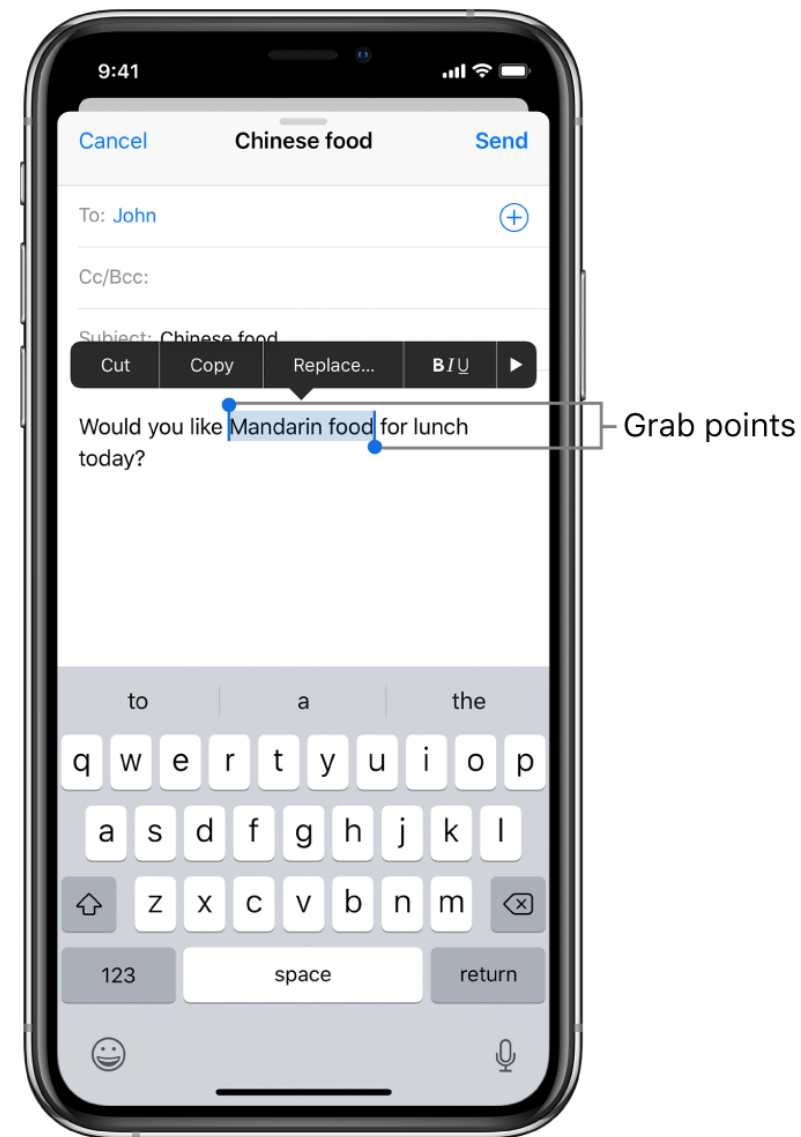
To insert text or revise or replace existing text, do any of the following:

- *Place the insertion point where you want to insert text:* Touch and hold the text to show the magnifying glass, drag to position the insertion point, then start typing (you can ignore the menu that appears).



Typing Text

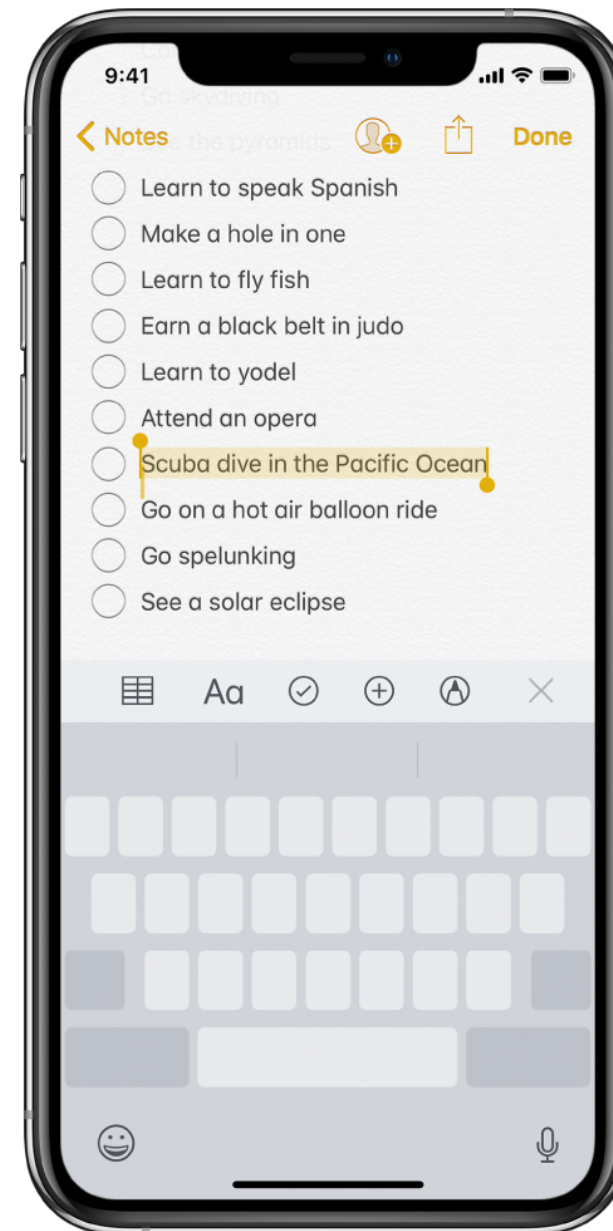
- *Select text to replace:* Place the insertion point as described above, then lift your finger. In the menu that appears, tap to select the word or all text, then drag the grab points to select more or less text. Type to replace it.
- *Select text to revise:* Tap the insertion point to display the selection options, or double-tap a word to select it; drag the grab points to select more or less text, then tap to see all the options:
 - Tap Cut, Copy, or Paste.
 - Tap B/I/U to format selected text.
 - Tap Replace to see suggested replacement text; or have Siri suggest alternative text.



Typing Text

Turn your keyboard into a trackpad:

- Touch and hold the Space bar (or press the keyboard on models with 3D Touch) until the keyboard turns light gray.
- Move the insertion point by dragging around the keyboard.
- On models with 3D Touch, without lifting your finger, press a little deeper to select a word, then drag to select more text.
To select a sentence, press twice. To select a paragraph, press three times.



Magnify the iPhone Screen

1. Go to Settings > Display & Brightness.
2. Tap View (below Display Zoom).
3. Choose Zoomed, then tap Set.

Change iPhone sounds and vibrations


In Settings , change the sounds iPhone plays when you get a call, text, voicemail, email, reminder, or other type of notification.

On supported models, you feel a tap—called haptic feedback—after you perform some actions, such as firmly pressing Camera on the Home screen.

Set sound and vibration options

1. Go to Settings > Sounds & Haptics (supported models) or Sounds (other models).
2. To set the volume for all sounds, drag the slider below Ringers and Alerts.
3. To set the tones and vibration patterns for sounds, tap a sound type, such as ringtone or text tone.
4. Do any of the following:
 - Choose a tone (scroll to see them all).
Ringtones play for incoming calls, clock alarms, and the clock timer; text tones are used for text messages, new voicemail, and other alerts.
 - Tap Vibration, then choose a vibration pattern, or tap Create New Vibration to create your own.

Text Messages

In the Messages app , you can exchange text messages using SMS and MMS through your cellular service on iPhone, and with other iOS devices and Mac computers using iMessage.





iMessage is an Apple service that sends messages over Wi-Fi or cellular connections to other iOS devices (with iOS 5 or later) and Mac computers (with OS X 10.8 or later). These messages don't count against your messaging plan. Messages sent via iMessage can include photos, videos, and other info. You can see when other people are typing, and send read receipts to let them know when you've read their messages. For security, messages sent via iMessage are encrypted before they're sent.

iMessage texts appear in blue bubbles, and SMS/MMS texts appear in green bubbles.


Text Messages


Start a conversation

In Messages, you can have a conversation with one or more people.

1. In the Messages list, tap .
2. Enter the phone number or Apple ID of each recipient, or tap , then choose contacts.
3. Tap the text field, type your message, then tap  to send it.
An alert  appears if a message can't be sent. Tap the alert to try sending the message again.

Tip: To see what time a message was sent or received, drag a bubble to the left.

To view conversation details, tap  at the top of the screen. You can tap a contact to view the contact card, share your location, view attachments, leave a group conversation, and more.

To return to the messages list from a conversation, tap  or swipe from the left edge.



Start a conversation.

A blue dot indicates unread messages.

Text Messages

Resume a conversation

1. In the Messages list, tap the conversation.
Tip: To search for contacts and content in conversations, pull down the Messages list, tap the search field, then enter what you're looking for.
2. Tap the text field, then type your message.

Tip: To replace text with emoji, tap 😊 or 🌐 to switch to the Emoji keyboard, then tap each highlighted word.

You can quickly reply to a message with a Tapback, like a thumbs up or a heart. Double-tap the message bubble that you want to respond to, then choose your response.

Notifications

Notifications help you keep track of what's new—they let you know if you missed a call, if the date of an event moved, and more. You can customize your notification settings so you see only what's important to you. View and respond to notifications on the iPhone Lock screen or in Notification Center.



Notifications

iPhone displays notifications as they arrive, but if you don't read one right away, it's saved in Notification Center so you can check it later.

To see your notifications in Notification Center, swipe down from the top center of any screen, then scroll up to see older notifications.

To close Notification Center, swipe up.

Notifications

When you have multiple notifications, they're grouped by app, which makes them easier to view and manage. Notifications from some apps may also be grouped by organizing features within the app, such as by topic or thread. Grouped notifications appear as small stacks, with the most recent notification on top.

Do any of the following:

- To expand a group of notifications to see them individually, tap the group. To close the group again, tap Show Less.
- To view a notification, tap it.
- To view and respond to a notification or group of notifications, swipe it right, then tap Open.

Notifications

Dismiss, clear, and manage notifications

From the Lock screen, do any of the following:

- *Handle a notification you receive while using another app:* Pull it down to view it, then swipe up to dismiss it.
- *Clear notifications:* Swipe left over the notification or group of notifications, then tap Clear or Clear All.
- *Send notifications directly to Notification Center:* Swipe left over the notification or group of notifications, tap Manage, then tap Deliver Quietly. This prevents notifications from this app or group from appearing on the Lock screen, playing a sound, lighting up the screen, or presenting a banner. To see and hear these notifications again, swipe left on a notification in Notification Center, tap Manage, then tap Deliver Prominently.
- *Turn off notifications for an app or notification group:* Swipe left on a notification or group of notifications, tap Manage, then tap Turn Off.
- *Change how an app displays notifications:* Swipe left on a notification, tap Manage, tap Settings, then choose an option. You can choose whether to allow notifications from the app, where the notifications appear (in Notification Center, for example), whether to play an alert sound, and so on.

Clear all your notifications in Notification Center: Tap , then tap Clear.

When you haven't used an app for a while, Siri suggests that you turn off notifications for that app.

3D Touch

3D Touch gives you another way to interact with iPhone. On supported models, press the display to see previews, access useful shortcuts, and more.

- On the Home screen, press an app icon to open a quick actions menu.
- Open Control Center, press (or touch and hold) Flashlight, then drag the slider to adjust the brightness.
- On the Lock screen, press a notification to respond to it.
- When typing, you can turn your keyboard into a trackpad.
- In Notes, press as you draw in Notes to make a line darker.
- In Photos, press an image to peek at it, then swipe up to share or copy it; press a little deeper to pop the image to full screen.
- In Mail, press a message in the mailbox list for a peek at the message contents, then slide up to see a list of actions. Or press a little deeper to pop the message open.