

## HANDOUT

# Mobile phone features

Function	What it does	Apps which use it
<b>Accelerometer</b>	Measures tilt and motion; also capable to detecting when the phone is rotated from portrait to landscape.	<b>Nike+</b> - tracks distance and speed of your run <b>Sleep Time</b> - tracks how much you move around in your sleep to gauge your sleep cycle
<b>Back camera</b>	Takes images and detects visual data.	<b>Shop Savvy Barcode Scanner</b> - scans barcodes to compare price of a product with other stores <b>Prizmo</b> - converts photo of printed text into an electronic document which can be edited
<b>Call</b>	Converts voice into an electrical signal which is transmitted as radio waves to another person's phone and converted back into sound.	<b>Ignore No More</b> - locks phone so only function available to teens is to call their parents back
<b>Cloud storage</b>	Stores information on multiple data servers so that you can access information at any time.	<b>Google Drive</b> - gives you access to online files <b>8tracks</b> - users create playlists and cover art using tracks stored on the cloud
<b>Contacts</b>	Stores phone numbers, emails etc of people you know.	<b>Twitter</b> - searches your contacts to suggest people you may know <b>Humin</b> - organises your phone contacts by how you know them
<b>Front camera</b>	Takes images.	<b>Mirror</b> - flips the front camera image to a mirror <b>Frontback</b> - takes a photo with front and back camera simultaneously, and merges them into a single photo that shows both what you're looking at and your reaction
<b>GPS / Geolocation</b>	Satellite transmits signals to a GPS receiver which determines the location.	<b>Foursquare/Swarm</b> - lets you check in and find restaurants etc in your area <b>Uber</b> - finds taxis based on your location

<b>Gyroscope</b>	Sensor which uses gravity to orient a smartphone.	<b>Flight simulator</b> - game which uses 'gyro controls' <b>Gyrosynth</b> - a gesture-driven music synthesiser
<b>Microphone</b>	Detects audio and converts sound energy into electrical energy.	<b>Shazam</b> - captures a sample of audio and identifies it by comparing with files in the app's database and searches for related material online <b>Sound Meter</b> - records noise and detects the loudness in decibels, useful for supporting noise complaints
<b>Near Field Communications (NFC)</b>	Enables short-range communication between compatible devices.	<b>Google Wallet</b> - allows you to make contactless payments
<b>Notifications</b>	Sends notifications to your phone.	<b>RememberTheMilk</b> - to-do list which reminds you when you have an item that's due <b>WhatsApp</b> - notifies you if you have a new message
<b>SMS messaging</b>	Sends text messages.	<b>Last Message</b> - sends messages to important people to let them know your battery is about to run out <b>BroApp</b> - sends automated 'romantic' texts
<b>Touchscreen</b>	Allows the user to interact with a computer by touching areas on the screen.	<b>Mailbox</b> - lets you sort your emails by swiping left to delete, right to archive or read later, etc <b>Brushes</b> – an interactive paint app