



Facilitator Guide

Connecting to the internet



Key information

Overview

This lesson forms part of the EDS (Essential Digital Skills) training programme. The overall aim of the programme is to give people a practical understanding of the essential digital skills that will help them in their day-to-day lives. This lesson may be delivered as a one-off session or as part of the whole programme. If **all** lessons are to be run as a whole programme, this should be the second lesson (lesson 2). The aim of this session is to help learners to know what the internet is, be able to access it from their device and start using it safely.

Approximate duration:

60 – 75 minutes

Resources you will need:

- 1 PowerPoint session deck EDS Lesson 2 Using the internet.
- Access to a screen or projector to share slide content with the learners (not required for one-to-one learning).
- Optional: an additional device.

Resources the learner may need:

- Paper/notebooks pens.
- A device of their choice.
- Wi-Fi access is helpful to share resources and use the links that are included in the session. If Wi-Fi is available, make this information (i.e., network name and password) available/visible to the learners, at the start of the lesson



This lesson will help your learners to:

- Explain what we mean by 'the internet'
- Connect to Wi-Fi
- Open and use a browser
- Search for information
- Keep safe when they're browsing and searching

Lesson plan

This lesson plan gives an overview of the content, approach and estimated timings for the lesson. The PowerPoint deck reflects the content included here. These notes are here to help you to prepare for the session with extra detail and help to go alongside the PowerPoint deck.

In both the PowerPoint deck and the facilitator guide, we use *italics* for a suggested script. This script is there help you, but you can adjust it to what feels comfortable for you. The rest of the guidance below are notes and guidance for you as the trainer to help you support your learners.

Please note that times are estimates and you can reshape to work for your learners and the length of the session. If you have a learner who already knows or can do a step or activity, you could suggest they help other learners.

Topic	Suggested format	Script / trainer notes	Slides and resources	Time
Holding slide	While you're waiting for people to come into the session and settle, we suggest having this slide on screen	 TRAINER NOTES: Check what Wi-Fi network is available, its name and any password required; write up / make available to the learners Welcome people into the room Introduce yourself Make sure everyone is comfortable Go to the next slide when you're ready to start the lesson USEFUL SITES / LINKS TO HAVE UP FOR THIS SESSION: https://www.signalchecker.co.uk/ 	Connecting to the internet	n/a

		https://stopthinkfraud.campaign.gov.uk/how-to-spot- fraud/how-to-spot-a-fake-website/		
Pre- session survey	Self-assessment survey of learners' skills at the start of a session	TRAINER NOTE: Encourage learners to scan the QR code here and complete our short pre-session survey around levels of confidence in the session's topics today, plus what they would like to get out of the session.	Pre-session survey	5 mins
Welcome	This slide will be the start of the lesson once everyone is settled and everything is set up	 TRAINER NOTES: If this lesson marks the start of a programme, welcome people to the programme If it is not, then welcome people to the lesson Welcome to today's lesson on understanding the internet. My name is _ and I'm here to help you today. We're excited to be here with you as you start to explore the Internet. We want to make this learning experience practical, relatable, and, most importantly, helpful to you. In the room (or virtually) we also have [Any Co-Presenter's Name] who is here to help you during this session. 	Welcome	3 mins

		 TRAINER NOTE: For small groups / virtual sessions, learners could introduce themselves at this point So in today's session, we'll explore what the Internet is and how you can connect to it securely. You'll be learning how to find your way around the online world. If you have your device with you, we'll help you through the steps as you go. If you don't have a device with you today, you can still learn what you can do when you use it next. As we go through today's lesson, please do ask questions and let us know if you need anything. If we can't help today, we'll make sure you get the help you need after the session. Let us know if we're going too quickly, too slowly, or if you need a break. We want you to get the most out of today, so I'll be guided by you. 		
Today we want to help you:	This slide will be used to explain what they will learn today	 So, here's what we'd like you to get out of today. We want to help you: Explain what we mean by 'the internet,' Connect to the web through Wi-Fi or mobile data Open and use a web browser, 	Today we want to help you: Explain what we mean by 'the internet' Connect to the web Open and use a browser Search for information Keep safe when you're browsing and searching	2 mins

		 Search for information online – we'll give you hints and tips on how to do this Keep safe when you're browsing and searching. Now, every device is slightly different, so today we'll share general steps, tips and what to look for If you want more help doing any of the steps on your device as we go through, just let us know and we'll give you a hand And if you need more help with your type of device, we'll share some useful resources at the end of the session 		
What's the Web?	This slide briefly explains key internet-related terms, setting the stage for the next section	 Let's start by introducing some key terms that are important to understanding the internet and the web. TRAINER NOTES – For each item, ask: "does anyone know what we mean by?" Expand on people's answers to ensure everyone understands each term The internet is also known as 'the web'. It helps people to connect with each other all over the world. It's also a huge source of information. And it can help you with everything 	What's the Web? Internet /'The Web' Broadband Wi-Fi Mobile data Browser Search engine 'Smart' technology	2 mins

from shopping online to finding a job or video calling with friends and family. Broadband – This is how most homes and businesses connect to the web. Broadband providers like BT, Sky and Virgin Media have networks of wires and cables that connect to our homes and offices Wi-Fi – This is how our phones, tablets and laptops can all connect to the internet without physical cables. Mobile data – This is another way we can connect to the internet wirelessly – phone providers like O2, Three and Vodaphone have towers all across the country to provide this wireless option Web browser – This is what you use to see and use websites. Search engine - These let you find information on the web quickly, just by typing in a few words or a question 'Smart' technology – This includes smart meters for our gas and electricity, smart speakers like Hey Google and Alexa, heating systems like Hive and Nest, Ring doorbells ... all of these are connected to the web, to make them faster and easier to use TRAINER NOTE: Check understanding before moving to next slide

Get connected	This slide introduces broadband and Wi-Fi as they combine to provide internet connection	 Now we'll look at how broadband, and Wi-Fi work together to connect us to the internet We'll start by looking at broadband, and how this feeds into our homes to give us internet access. Then we'll cover how Wi-Fi works in our homes to give wireless connection for our phones, our laptops and all our smart devices 	Broadband and Wi-Fi	1 min
Broadband basics	Here, broadband is explained as a high-speed internet connection with different types. We also give tips on choosing the right provider	 Let's start by understanding the basics of broadband. What is broadband? – Basically, broadband is our way to connect to the web, fast. It can be wireless, but most often it comes into our homes through wires or cables. These wires attach to something called a router. This is a device that you keep in your home that allows you to connect to the web. You get the router as part of your broadband package. There are different types of broadband - you may hear of terms like fibre, cable and DSL. These are just the types of connection used – wire, cable or phone lines. Some of these types are faster or more reliable than others, but they're not all available everywhere. So it's a good idea to check what you have in your area. 	Broadband basics What is broadband? Choosing a provider	3 mins

		 Choosing the right broadband provider is important, so it's important to take your time. If you contact a provider directly, you might not get the best deal. So it's good to shop around. Ask friends or family what they use -or check out comparison sites. These sites show you all the different providers with key information about them, all on the same page. So you can see how they compare. For instance, one might be a lot cheaper but not as fast or reliable as another one. Having all the info in one place can help you decide what's most important for you 		
Connecting to Wi-Fi	Provides info on what to expect when you sign up to broadband, plus step-by-step instructions for connecting devices to a Wi-Fi network securely	 What is Wi-Fi? We know now that Broadband brings internet into your home and attaches to your router. Wi-Fi is a way to connect your devices to this. Most devices and routers will now let you connect wirelessly. But you may need to first connect using something called a network cable between your router and your device. Once you've picked your broadband provider and they've sent you a router, you'll need to set it up. Some providers do this for you. Others send you the router with instructions. This might depend on whether your place already had any internet connection before. 	Get started with Wi-Fi What is Wi-Fi? Setting up your router	10 mins

- Once the router's set up, you can turn it on and begin you connection.
- Before you use it to connect your devices, make sure you change your Wi-Fi name and password. The router will come with a standard name and password to start with. This is usually either on the router itself, or on the box it comes in. The name is what you'll look for when you're connecting your device. The password helps to keep it safe. So it's a good idea to change the name and password to something that's hard for anyone else to guess. Try and avoid names like 'Flat number 14's network'. And make your password long and strong. Try thinking of 3 or 4 random words, all joined together with some letters swapped for numbers

TRAINER NOTES (ACTIVITY SLIDE): Share the Wi-Fi information with the learners (if not already done so). Encourage the learners to follow along

 So we're going to connect to the Wi-Fi here, just to give you a feel for how to do this.

TRAINER NOTE: If they've already done lesson 1 or have equivalent knowledge, you can first ask: who remembers where the settings are?



		 First, go to your device's settings and select Wi-Fi. What networks can you see? When you're using your home network, you'd look for the name you changed when you set up the router. Choose the Wi-Fi network you want to connect to. It will ask for a password – again, for your home network, this is when you put that long and strong password in. When you connect to your home network, you don't usually have to do this every time – it will remember the network name and password and automatically connect in future. And it will do this for most other networks you connect to for that device – so you just need to give the password the first time you connect. Now you're connected! You can check by looking for that Wi-Fi symbol on your device screen 		
Staying safe on Wi- Fi	Discuss the risks of public Wi-Fi and offers tips for safe usage	 So, let's talk about how to stay safe with Wi-Fi First, you need to keep your home Wi-Fi safe. The best way to do this is what we've suggested today – when you get your router, be sure to change the name and password for your home network. That will help stop anyone else using it Now let's talk about public Wi-Fi. This is any Wi-Fi connection provided by other people or businesses. For 	Staying safe on Wi-Fi Make your home Wi-Fi safe What is 'public Wi-Fi'? Keep your data safe	2 mins

instance, your local coffee shop might have free Wi-Fi for their customers. Or your local trains might offer you a Wi-Fi service. When you see the Wi-Fi symbol out and about, it usually means public Wi-Fi is available here. This might seem a great idea – and it can be really useful. You do need to be careful though. Public Wi-Fi networks, like those in cafes or airports, are handy, but they can also be a lot less safe than your home network Sometimes when you connect to these networks, they ask for some personal details - name, address, email and so on. Make sure you're comfortable with whoever is asking for this information, before you start typing it in The most secure Wi-Fi networks always ask for a password, so be very wary about connecting to one that doesn't It's always good to check the name of the Wi-Fi network with someone who works in the café or wherever you want to connect. Just to be sure you're on the right one Sometimes, you get fake Wi-Fi networks. These are set up pretending to be the airport Wi-Fi or your coffee shop. Once you connect to these, they may try and steal your details especially if you're using the Wi-Fi to shop or bank online. So it's always best to do this kind of thing when you're connected to your home network - or to use your mobile

		 data if you're out and about. We'll talk about how to do this in a minute. And when you are online in a public space, think about what people around you can see on your screen. It's always good to be cautious. 		
Mobile data	This slide introduces the topic of mobile data as another way to connect to the internet	So let's take a look at mobile data now, which is just another way for you to connect to the web	Mobile data (((?)))	1 min
What is mobile data?	What mobile data is and how it works (at a high level)	 Does anyone know what we mean by 'mobile data'? So far, we've talked about how to get internet access by connecting to a Wi-Fi network – either through a router at home, or by picking a Wi-Fi network when we're out and about With mobile data, you don't connect to a Wi-Fi network. Instead, your internet connection comes from the towers that the mobile phone companies have put up all across the country. So you're not relying on having a Wi-Fi connection nearby. You can use it anywhere with mobile phone coverage 	What is mobile data? An alternative to Wi-Fi Mobile phone towers give coverage Phone packages, SIM cards and data	1 min

		• You pay the phone company for this. It's often part of your mobile phone package. So, for example, you can buy a phone for an amount each month with free texts, free calls and a certain amount of data. Or you might have a 'SIM-only' arrangement, where you've already got a phone and the company provide a SIM card – the little card that slots into your phone so the phone company can identify that phone and use it to connect to the internet. For that option, it's the SIM card that has the data limit on it. Either way, it's the 'data' part of the package or contract that gives you web access, so you can do things like search the internet, stream music and videos and use certain apps		
What are the benefits?	Explore the advantages of using mobile data	 So, why would you want to use mobile data? Let's talk about the benefits: Convenient: Because you can use your data pretty much anywhere, you can use it for things like checking bus or train times, working out the quickest way to get across town, catching up with emails or social media, or listening to a podcast while you're out and about. Accessible: You don't need to be somewhere that has Wi-Fi to use your mobile data. So whether you're on 	What are the benefits? Convenient Accessible Secure	2 mins

		the beach, on the train or just walking down the High Street, you know you can use it Secure: Even if you have access to public Wi-Fi, you might choose to use your mobile data instead. Especially if you need to go into your banking app, or you're on a website that's asking you to give personal details like your name and address. Mobile data is always safer than public Wi-Fi		
Mobile data costs	Explain what participants should understand about mobile data costs	 So now you can see where and how you might use your mobile data, let's take a look at the costs involved. Here's what you need to know: Data Plans: The mobile network providers usually offer what they call 'data plans'. Each plan says how much data you get and how much this costs. Most mobile plans have data limits, and going over them can lead to extra charges. So when you're deciding a plan, bear this in mind. Data Usage: When you're working out what plan you need, it's good to be aware of how much data you're likely to use each month. Streaming videos to watch online, downloading large files or constant online gaming can quickly use up your data allowance. If you 	Mobile data costs Data plans Usage Roaming charges	2 mins

		go over your data limit you may get charged extra, so it's really important to keep an eye on this. Some apps use data even when you're not actively using them. You can check your app settings to control this. Roaming Charges: These are when you're using your phone overseas. They do vary, depending on your phone provider and the country you're visiting so it's good to check what they are before you go. There are things you can do to cut these costs, like downloading maps, films and music before you go, and buying a local SIM once you're over there. You can even turn off mobile roaming if you want to		
Mobile data coverage	Explain what participants should understand about mobile data coverage	 Mobile data availability can vary depending on your location. It's a good idea to check for mobile data coverage in areas you visit often. Most of the phone companies have coverage maps. There's also a handy website called signalchecker which does this for all the UK networks. TRAINER NOTE – if learners are interested in the signalchecker site, you can use this in the later 'explore the web' activity 	Mobile data coverage Availability can vary by area Coverage maps and the Signalchecker site	1 min

Mobile data vs. Wi-Fi between mobile data and Wi-Fi, highlighting when to use each	 Now that we know what mobile data is, let's explore how it differs from Wi-Fi. Mobile data uses networks of those towers we mentioned to connect to the internet. So if you're out and about, or there's no Wi-Fi network, it's the one to use. If you have home Wi-Fi and the network goes down, mobile data will still let you get on the Web Wi-Fi, on the other hand, connects to local wireless networks, like the one at home or in cafes. It can give you faster and more stable connections. Data is usually more expensive than Wi-Fi, so people are often careful about using their data when they don't need to. Remember, though, that mobile data can be more secure than public Wi-Fi – so it may depend on what you're using the web for. You shouldn't ever do online banking or use websites that ask for personal information when you're using public Wi-Fi – always switch over to your data for this kind of 	Mobile data vs. Wi-Fi Is there a Wi-Fi network available? Speed and reliability Cost Security	2-5 mins
	 websites that ask for personal information when you're using public Wi-Fi – always switch over to your data for this kind of thing Your home network will give you the best of both worlds – the speed and reliability of Wi-Fi plus extra security compared to public networks. So this is the one to use when you're at home. TRAINER NOTE – Some learners may only have a phone with them as their device. If they have done the 'connect to Wi-Fi' activity, explain at this point how to disconnect from Wi-Fi - and that by doing this, they are using their mobile data. Then ask what they see top left of 		

		they're using mobile data rather than Wi-Fi. You can also show them how to turn off mobile data if they need to (e.g. when they're near their limit)		
Using the internet	Provide an overview of topics to be covered in the next section, including web browsers, safe browsing, and saving favourites	• So now we're going to look at how we use the internet. We'll talk about web browsers and search engines, and what these are. I'll give you a few tips to help you stay safe while you're using the Web. And we'll look at how you can save your favourite websites so you can find them quickly next time.	Using the internet	1 min
Web browsers	Reminder of browser definition, give examples and hints on choosing one and how to use them	 We mentioned earlier that a browser is what you use to view and access websites – basically, you can see it as a window to the internet. Popular web browsers The most popular browser is 'Google Chrome'. It can be used on any kind of device. It is the standard browser on Chromebooks. The second most popular is 'Safari'. This is just for Apple devices like iPhones, iPads and MacBook's. 'Microsoft Edge' comes in third place and is their browser. You might have heard of their older browser 'Internet Explorer'. Edge replaced Internet Explorer a few years ago. Has anyone heard of 'Firefox'? That's another browser. Unlike the others, it doesn't come as 	Web browsers Popular web browsers How to find and use a browser	2 mins

		standard with a particular make of device. It's by a not-for-profit company called Mozilla. Some web developers like to use this one. • How to choose: • It's good to try out different browsers to see what you like. Just because your device comes with one, it doesn't mean you can only use that one. For example, you may have an Apple device but find Chrome easier to use. • How to use: • You can find your standard browser on your home screen, desktop or in your apps. • You can also download other browsers. • Once you open a browser, you can go to a website. To do this, you need to enter something called a 'web address'. This is just like an address in the real world - it tells the browser exactly where that website is. • If you don't know the web address, you can still find that website, by using a search engine. Let's take a look at these next.		
Search engines	Reminder of search engine definition, how to use these and examples	 Search engines are tools you can use to find what you need. They do this based on the words or questions you type into them. So you can use a 'search engine' to find a website without knowing the address. It does all the hard work for you by searching through all the information available online and showing you what it thinks you need. 	Search engines A tool from your browser Ask a question or find a website	

- The words you type in to search are often called 'search terms'. You can make these as general or specific as you want. In general, the more specific you can be, the quicker you'll find exactly what you're after. For example, maybe you're looking to buy a new pair of shoes. If you went into a shoe shop and the assistant asked what you were looking for, you might give them an idea of the type of shoe, maybe the colour and definitely the size. It's the same with search engines. Putting 'pink hi-tops size 10' will give you results that are more tailored to your needs than if you just typed 'shoes'
- There are plenty of search engines out there, to use. Some come with standard browsers on your device, and you can use others too.
 - Google is the most popular search engine and it's what you see on Google devices like Chromebooks
 - Bing is Microsoft's search engine, so you get this along with the Edge browser on any Windows devices
 - Yahoo is another example that's not tied to any particular device brand
- There's no need to download these search engines as they're basically just websites. Once you've found one you like, you can make that your favourite, or 'default' browser by going into your device settings.

Safe browsing tips	Offer important tips for safe internet browsing	 Now, let's talk top tips for safe browsing. Here's what we've got for you: Check for the padlock icon in the address bar and "https://" at the beginning of the web address. These are clues that the site is secure Use browser security tools: Browsers often have builtin security tools, like pop-up blockers and privacy settings. It's a good idea to get familiar with these and use them to help keep you safe Create strong passwords: Think 'long and strong' – just like when you were setting up your Wi-Fi password on your router. And don't be tempted to use the same password for more than one site. There are tools you can use to generate and store your passwords for you. And it's not the end of the world if you forget your password – most sites have a way to help you reset it Think before you click: If you're using a mouse, use it to hover over links to see the actual web address they lead to. This can help you spot fake links. 	Safe browsing tips Look for the padlock and 'https' Use your browser's security tools Create strong passwords Think before you click	2 mins
		TRAINER NOTE: See also <u>How to spot a fake website - Stop! Think</u> <u>Fraud (stopthinkfraud.campaign.gov.uk)</u>		

Favourites and bookmarks	Explain what these are, how to set up and use them	 TRAINER NOTE – Just connecting to the internet and doing a simple search may be sufficient for your learners – if so, skip this slide and go straight to the explore activity Now, let's look at a very handy thing you can do if you've got websites you want to visit a lot – saving them as favourites or bookmarks. Some devices call these 'favourites' and some call them 'bookmarks' but basically they're the same thing – shortcuts to help find your favourite websites The idea is – you're on a website you think you'll visit again. With just one or two clicks or taps you can save it. Then when you want to see that site another day, you can just go to your 'Favourites' or 'Bookmarks' area and there it is. TRAINER NOTES: Demo saving a site as a Favourite / Bookmark. Close the browser then demo how to find that saved site. Encourage learners to follow along. If time permits and learners have the skills and interest, mention how to organise, remove and sync bookmarks 	Favourites and bookmarks What are favourites and bookmarks? How to save your favourite site	2-5 mins
Activity: Explore the Web	Practical activity for learners to use and develop their web browsing and searching skills	 Now it's time to explore the Web together. Think of this as time for you to try out what we've covered today, ask any questions and just get comfortable with searching. First, see if you can find a web browser on your device, and open it 	Activity: Explore the Web 1. Open your browser 2. Find the search bar 3. Type what you need 4. See the results 5. Decide where to go	10-15 mins

		 Can you spot the search bar? It's usually at the top of the browser screen Now type something into that search bar. It could be a word, like 'laptop', a phrase like 'laptops under £500' or a question like 'what's the best value laptop in the UK?' Don't forget to press 'Enter' or tap the search icon to see the results. What do you see now? There's likely to be lots of people trying to sell you a laptop here. Depending on what you typed, you might also get articles from tech magazines or consumer websites. Following these sites might give you more information so you can compare models Be aware that often the top results are sponsored – that means the company has paid to have their site at this top spot. You can see if this is the case as they usually have the word 'Ad' or 'Sponsored' next to them Now have a play – just type over the search field with something else – maybe something you'd like to find out more about. Look out for something called 'People also ask' – that's something that you can use to filter your results even more 		
Today you've seen how to:	Reflect on the skills learners have gained during the session and invite questions and feedback	TRAINER NOTE – Ask questions as you go through this list (e.g. can anyone give me another word we use for 'internet'?, how did you connect to the Wi-Fi here? What would you look for in a website to see if it was secure?) • Let's take a moment to reflect on what you've accomplished today: • You've explored what we mean by 'the internet'	Today you've seen how to: Explored what we mean by 'the internet' Connected to Wi-Fi Opened and used a browser Searched for information Kept safe when browsing and searching	3 mins

		 You've connected to Wi-Fi You've opened a browser and used it You've used a search engine to find information You've also started learning how to keep safe when browsing and searching 		
Any questions?	An opportunity for learners to ask anything they haven't so far during the session	TRAINER NOTE: Prompt for any questions or feedback. Check level of confidence in doing these in future, ask what they found most useful, anything they'd like to know more about (or to go through again before the lesson ends) and where they think they'll need more practice.	Any questions?	
Post- session survey	Self-assessment survey of learners' skills at the end of the session	TRAINER NOTE: Encourage learners to scan the QR code here and complete our short pre-session survey around levels of confidence in the session's topics today, plus what they would like to get out of the session.	Post-session survey	5 mins
What's next	Signpost the Academy website or any future sessions where applicable	 So, what's next? Well, we have a lot of resources to help you as you start to go online and use the Web for all sorts of things. This is our website – you can either use the camera on your phone to scan the QR code on the screen, or you can use your new-found skills to search. Try typing 'Lloyds Bank Academy get started online' in your search field. And don't forget to save it as a favourite! 	What's next Learn with Halifax What do you want to learn today?	5 mins

		 TRAINER NOTES: If appropriate, do a 'follow-me' demo to search for the Academy page and save as a favourite. Learners who have not scanned a QR code before may need help or a guided demo to do this If part of a programme, let the learners know the next session (Stay safe online) and when this will be run 	
Want to find out more?	Further resources and support	 Thanks for attending today's session. Don't forget, if you feel you need more one to one support, you can call our Digital Helpline We've also put QR codes up here for some of our online lessons which talk a bit more about some of the topics we've looked at today, if you want to find out more about them TRAINER NOTE: Support learners to access these lessons through QR code / searching and saving as favourites so they can view them later. 	Want to find out more? Our Digital Helpline: 0345 222 0333 Comparison sites: 'Save money on services and utilities' Using public Wi-Fi safely Finding information online