Choosing and setting up your physical hardware

Two options: Windows Tablet or Stick PC + a Screen

2 Windows Tablet (which we use as the example)

It is recommended to purchase one with 4GB memory and 64GB+ storage to ensure the interactives can run efficiently. If the tablet has a detachable keyboard then it can also be used for development (it is also possible to use a standard wireless keyboard)

For this project we used the Linx 12x64 which has a full HD 12.5". The retail price at the time of writing is £300 but it can often be purchased for under £200 with a refurbished version online. You can plug in an external speaker if you want higher volume than standard for this model.

1 PC stick + a Windows 10 Screen

A PC stick or Compute Stick is essentially a small PC which will plug directly into the HDMI port on the back of a screen and can run off the USB power of a small screen. Purchase one that runs on Windows 10 not Android.

You can combine your PC stick with your touchscreen to create your interactive. This is great if you want a 23" or 27" display screen however if you're budget is smaller and you're happy with a smaller screen then you can do everything on a Windows Tablet. It is also possible to do all the development work on it too.

Basic Windows 10 Set-up

You will need to follow the standard steps to set-up your new machine. Allow internet access so Windows can begin the update process.

You will be asked to create an account we suggest you create **an offline account** rather than online

Windows 10 additions

Microsoft automatically includes apps with your Operating System. These are not harmful to your system but they do take up some storage space. It is possible to uninstall them manually and there are also automatic tools that will do this for you.

Obtaining PowerPoint

PowerPoint is part of Microsoft's Office Suite of products – including others such as Word, Excel. It's possible your organisation already has access to these. If not you will need to purchase a license.

Depending on the status of your organisation you may be able a license for a considerable discount through:

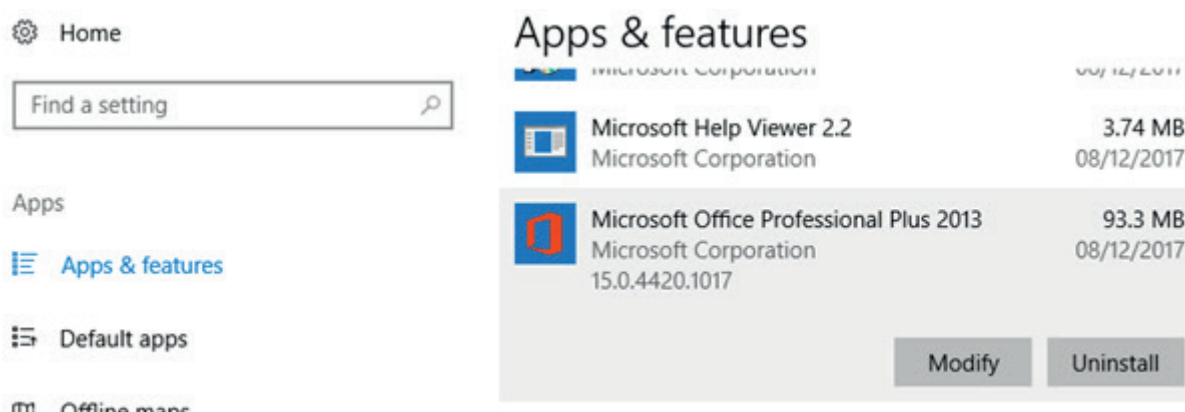**https://tech-trust.org/**

https://www.tt-exchange.org

For these worksheets we are using PowerPoint 2013. For a free alternative you could download LibreOffice Impress but this worksheet guides you through the use of PowerPoint.

Upgrading PowerPoint 2013/2016 to work with Touch

If touch is not working then you'll need to manually update Microsoft Office 2013 to Service Pack 1 (SP1) and then install the patch on top of it.

1 Check what version of Office 2013 you are running.

2 Open **App & Features** and look for your Microsoft Office Installation.

3 You'll find a long version number. For example the version number for Service Pack 1 is 15.0.4569.1506.

4 The above example above shows the version is: 15.0.4420.1017.

5 As this is number is below Service Pack 1 the first step is to upgrade to Office 2013 SP1.

6 This can be downloaded here:
    https://support.microsoft.com/en-us/help/2817430/description-of-microsoft-office-2013-service-pack-1-sp1
    Once it is complete you can apply the Touch fix:
    https://support.microsoft.com/en-us/help/3114815/april-5-2016-update-for-powerpoint-2013-kb3114815

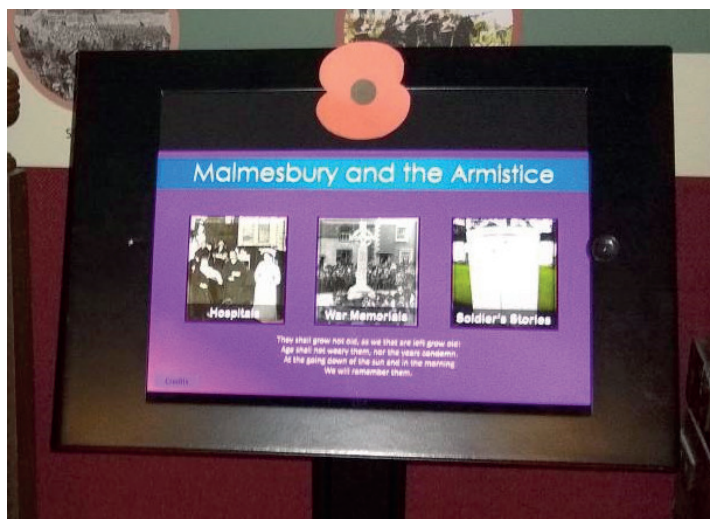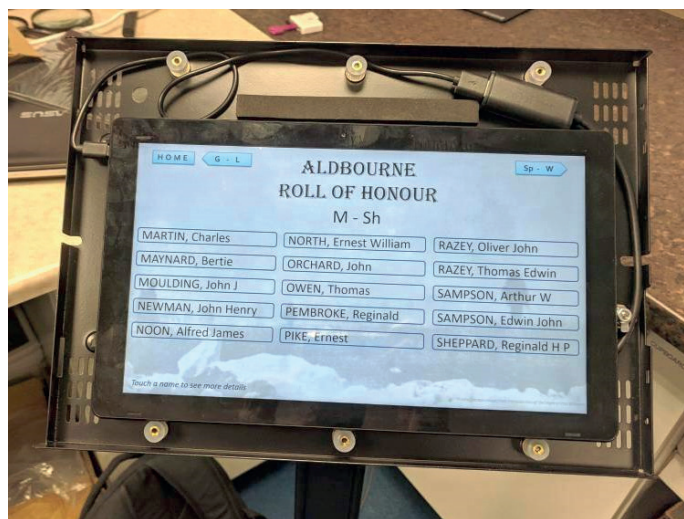## Setting up the hardware display in your gallery

It is good practice to physically lock down your machine to protect it.

A protective case that works with Linx 12x64 is the range of iPad Pro 12.9" lockable mounts from ForestAV. They have wall, counter top and floor stands available for under £100.

Adjustments needed to fit the Linx 12 x 64:

• Removed four extra supports from inside the stand top.

• Ran USB extender cables down the inside of the stand so that the wires were nicely hidden.

• Added a piece of laminated black card to hide the 'gap' above the tablet. This is the ideal space to write some introductory notes on or stick on some logos.

• Insulated the inside of the frame (using cellotape) as the exposed metal was causing false touches on the screen.

Higher budget option

This example is installed at Weston Museum using exactly the same techniques but with a larger screen, higher specification PC and a custom cabinet.

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