

Digital Creators' Challenge

Lesson Primer – Launch

Please note, click [here](#) to access downloadable Powerpoint versions of the Classroom Presentation slides, Follow On Content & Student Workbook.

1. What you need to know about running this lesson

Practical Issues

Students will need to be in their teams for this lesson.

The ideas generation activity can be completed with students using post-it notes to record each problem they identify. This may make it easier to combine similar or complementary ideas and also to plot them on grid assessing the impact and reach of each idea (session 2 > Activity 3)

There is an optional team values activity at the end of the presentation which can be used if time permits. This can be done as a card sort activity where students decide which of the values are most and least important to them.

Technical Issues

Students do not require access to computers for this session.

2. Key information and terminology you'll need

What is an app? – App is short for application which is another name for a computer program. Usually, when people talk about apps they are referring to programs that run on mobile devices, such as smart phones or tablet computers.

Other keywords you may need to know:

- Device e.g. mobile phone, tablet computer
- Operating system: system software that manages computer hardware and software resources and provides common services for computer programs e.g. Windows, iOS, Linux
- Platform: mobile operating system e.g. Android, iOS, Windows

Toolkit– the tools that a device (phone/tablet) might offer the user

- Location services (GPS etc)
- Purchase channel – ability to pay online via a mobile device or using an app on the device to pay e.g. Apple Pay

- Touch screen and internal sensors – see below
- Multi-media (audio, video, camera etc)
- Notifications - a short text message sent to a smartphone and tied to an installed app
- Connect – phone call, text, internet access

Sensors that you may find on a mobile device

- GPS – Global Positioning System – this allows your exact location to be determined
- Accelerometer – Measures movement and orientation
- Gyroscope – Measure changing angle in 3D and helps the accelerometer to be more accurate
- Light sensor – allows the ambient light level to be determined so that the screen brightness can be adjusted.
- Magnetometer – for finding magnetic north – good for directions etc
- Possibly temperature and humidity sensors