

PROGRAMMING



- **Scratch** is a free programming language and online community where you can create your own interactive stories, games and animations.
- **Programming** is the process of creating a set of instructions that tell a computer how to perform a task.

PRODUCTIVITY & CREATIVITY



- **Tinkercad** is a free online 3D modelling program.
- An app's interface is the set of features an app provides so that a user may supply **input** to, and receive output from, the program. For example, on Microsoft Word the app interface includes a central area for typing and adding feedback on your screen.
- **Apps** typically run locally on your device, but can also run through a web browser.

CAREERS



- **Architect** - a person who designs buildings and in many cases also supervises their construction. They often use computers and special software to create their designs and models. Commonly used CAD programs make the design process faster by applying common principles of geometry & physics to **architectural** designs.
- **Graphic designer** – a person who combines text and pictures in advertisements, magazines, or books. They produce their designs using a range of technology.
- **Product designer** - uses their design skills and technical knowledge to improve the way that existing products work and look, and/or produce them at a lower cost. They may also be involved in designing entirely new products.

SAFE & RESPONSIBLE USE



- **Social networking** is the use of dedicated websites and applications to interact with other users or to find people with similar interests.
- These websites have **age restrictions** on them to help keep young people safe. For example, Tiktok, Instagram and Snapchat have a minimum user age of 13.
- Understand what the **terms and conditions** of these websites actually allow the companies who own them to have access to.

Key vocabulary and meanings

Computer Aided Design (CAD) – is used for displaying and editing designs on the computer

***Micro: bits** are pocket-sized programmable computers featuring LED displays, buttons, various sensors and wide ranges of capabilities.

***App** - An **app** is a software program running on any platform. The word "**app**" is an abbreviation for "application." It's a piece of software which comes pre-installed on your device or that you install yourself.

Tinker - to make small changes to something in order to improve or repair it