

EMERGING TECHNOLOGIES

Key Revision Facts: GCSE Technology

Emerging technologies are new technologies whose development or practical applications are still mostly unrealized. The implementation of the latest technologies could transform products and open new business opportunities.

Emerging technologies to watch in the near future are:

IoT (Internet of Things)

The Internet of things describes the network of physical objects “things” embedded with sensors, software, and other technologies to connect and exchange data with other devices and systems over the Internet.

AI (Artificial Intelligence)

Artificial intelligence is intelligence demonstrated by machines, unlike the natural intelligence displayed by humans and animals, which involves consciousness and emotionality.

5G Mobile Networks

The rise of 5G networks increases our ability to move, manipulate, and analyze data across wireless platforms. As 5G rolls out more fully in the coming years, it will drive more complex apps to solve problems and increase growth across industries.

Robotics

Robotics is automating routine processes by using machines to make businesses faster, less expensive, and more efficient, the report found.

Biometrics

Biometrics, including face, fingerprint, and retina scans, are becoming mainstream methods for verifying identity.

3D printing

3D printing, or additive manufacturing, is constructing a three-dimensional object by laying down many thin layers of a material in succession.

Augmented Reality (AR)

AR is an enhanced version of reality created by technology to overlay digital information on an image or video.

Drones

An unmanned aerial vehicle is an aircraft without a human pilot on board.

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VERSION INFORMATION

Date	Arthur	Comment
31-Jan-2021	Andrew Seaford	Initial release.