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| **1.6 The evolution of: industrial and autonomous robotics, autonomous vehicles, virtual and augmented reality, artificial intelligence and machine learning and internet-enabled hardware** |
| * Learners should be aware of the main impacts on society, the economy and culture of the following developments in digital technology that have evolved over time:   + industrial robots   + autonomous robots   + autonomous vehicles   + virtual reality   + augmented reality   + Artificial Intelligence (AI)   + machine learning   + internet-enabled hardware including the Internet of Things (IOT). |

Specification points:

Skills audit:

|  |  |  |  |
| --- | --- | --- | --- |
| **Criteria** |  |  |  |
| I know what is meant by Internet of Things (IoT) |  |  |  |
| I can undertake mini projects that demonstrate the use of IoT. |  |  |  |

Teacher feedback:

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Student response:

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**Exam-style questions**

A local authority has received a cash investment designed to create smart homes that are better for the environment and to make it a safer place to live.

Discuss the impact a smart home would have on a homeowner. In your answer, you must consider the following:

* + Energy consumption
  + Security

**[QWC]**

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**[12]**