Subject: ICT

2 Week Independent Learning plan

**Email queries to: nbaker@waseleyhills.worcs.sch.uk**

Teacher: NJ

Year: 8 Topic/theme: Computer Devices

|  |  |  |  |
| --- | --- | --- | --- |
| Lesson | What you need to take from this lesson | Resource to use or hyperlink | Suggested task |
| 1 | 1. Define *Input* devices and to explain the purpose of each device 2. Explain the advantages and disadvantages of various input devices | <https://www.bbc.co.uk/bitesize/guides/zqg9q6f/revision/1> | Create a poster, some suggested input devices:   * + **EPOS/scanners**   + **Magnetic stripe readers**   + **Chip and pin/EFTPOS**   + **MIDI instrument**   + **Mouse**   + **Specialist Keyboards** |
| 2 | 1. Define *Sensory* devices and to explain the purpose of each device 2. Explain the advantages and disadvantages of various sensory devices 3. Understand the difference between analogue and digital. Explain the role of Analogue – Digital converter | <https://www.bbc.co.uk/bitesize/topics/z9yycdm/articles/zxy987h> | Write a small poem/story about:   * 5 senses that humans have * Why do we use computer sensors? |
| 3 | 1. Define *Output* devices and to explain the purpose of each device 2. Explain the advantages and disadvantages of various output devices | <https://www.bbc.co.uk/bitesize/guides/zqg9q6f/revision/1> | Draw 5 different output devices and explain why we would use each – colour the output devices |
| 4 | 1. Define *Central Processing Unit* and its purpose. 2. Understand the difference between RAM and ROM | <https://www.bbc.co.uk/bitesize/guides/zws8d2p/revision/1> | Draw a human brain  List what a human brain does  Now list what the computer brain (called CPU) does |
| 5 | Take a look at the specifications of 2 types of computer system e.g. desktop computer/laptop/tablet/netbook/mobile etc. | <https://www.currys.co.uk/gbuk/computing-33-u.html> | Which computer would you recommend to family or friends, why not make a blog? |