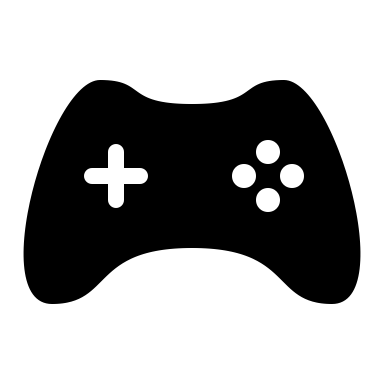
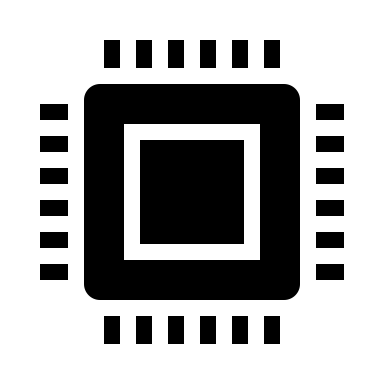
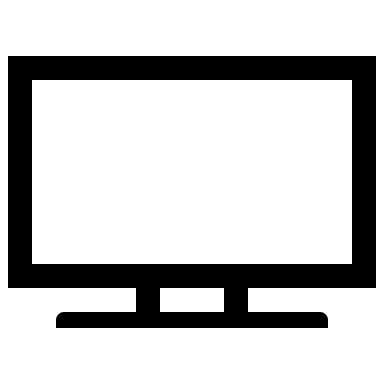
# Input, Process, Output Model

Input devices allow data to be put into a system. An example of an input device is a keyboard. Can you name another input device?

Output devices allow the result of processed data to be displayed. An example of an output device is a computer monitor. Can you name another output device?

Processes are carried out on inputs. A computer can perform basic mathematical operations very quickly on inputs.

Input Process Output

If you are playing a computer game you may press ‘left’ on the touch pad. The computer will receive this input, process it and then display your sprite moving left on the computer monitor. This is an example of the **IPO** model in action.

Try and work out what the outputs will be in the following systems.

|  |  |  |
| --- | --- | --- |
| Input | Process | Output |
| Input 1 = 2  Input 2 = 4 | Output: Input 1 + Input 2 |  |
| Input 1 = 35 | If Input 1 > 30:  Output “Too hot”  Else:  Output “OK” |  |
| Input 1 = 74 | Output: Input 1 \* 3 |  |

# Stretch Task

Write three examples of your own.