THE ALAN TURING CRYPTOGRAPHY CHALLENGE!

Have you got what it takes?

Use the Cipher wheel in Appendix 1 to decrypt the message below and complete the task.

XVH WKV FLSKVU ZKHHO WR FUVDWH BRXU RZQ FRGHG PHVVDJH.

FKDOOHQJH VRPHRQH WR GHFUBSW BRXU PHVVDJH.

You can use Appendix 1 for this task.

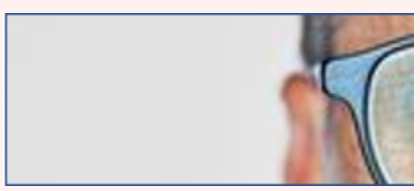
Finish the puzzle to reveal the Tech Tycoon!

Create a fact file for this person.

- What is there name?
- What have they created?
- How have they transformed the world we live in today?

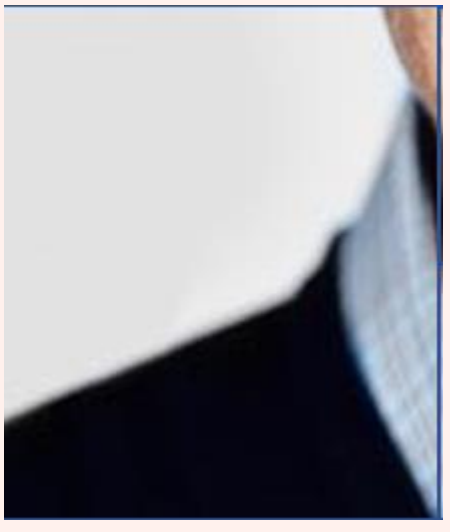






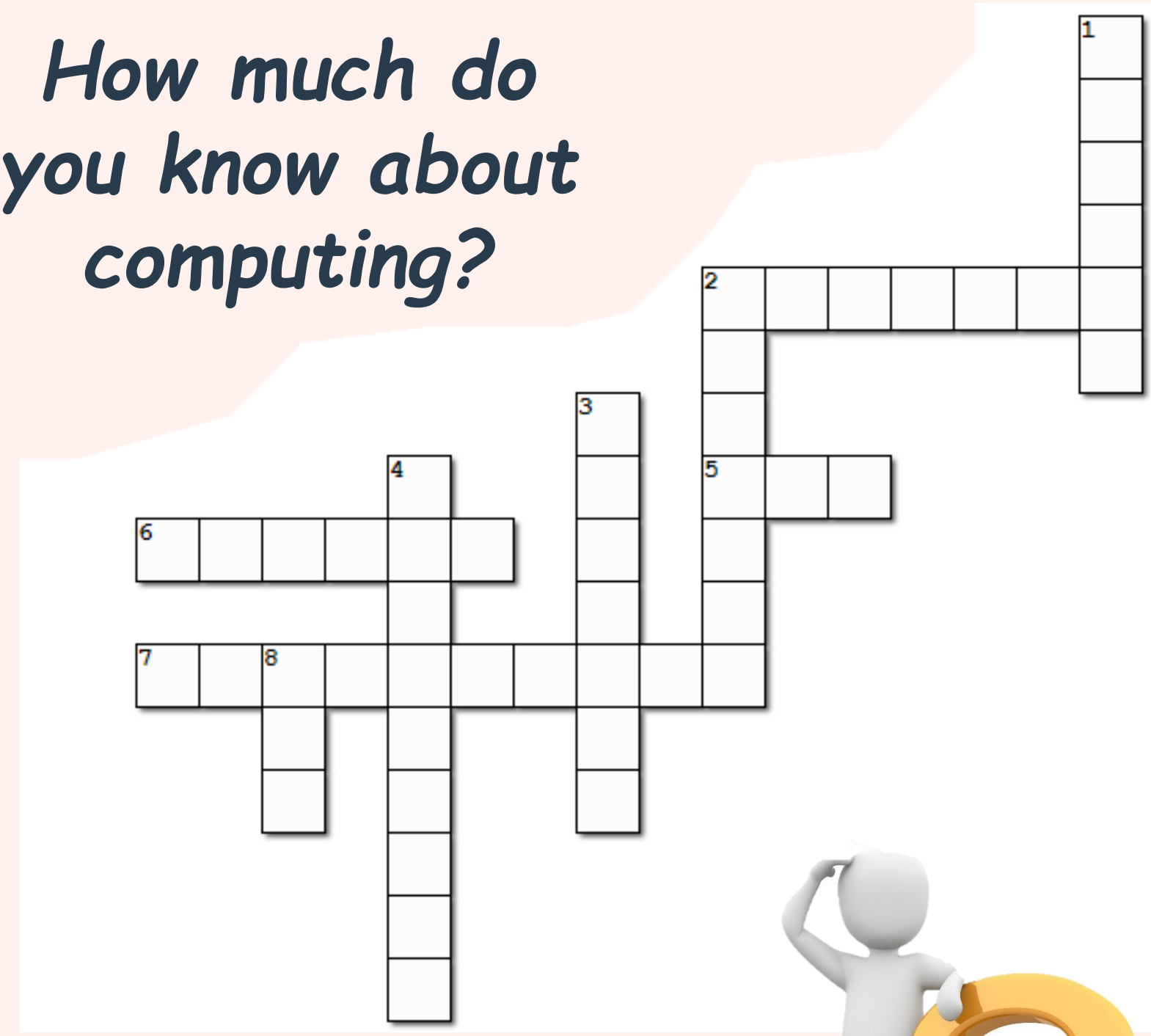






How much do you know about computing?



Across

2. An output device used to play sound outloud.
5. Random Access Memory. Where files and programs are stored when they are in use.
6. A very popular search engine.
7. Input device used for recording sound.

Down

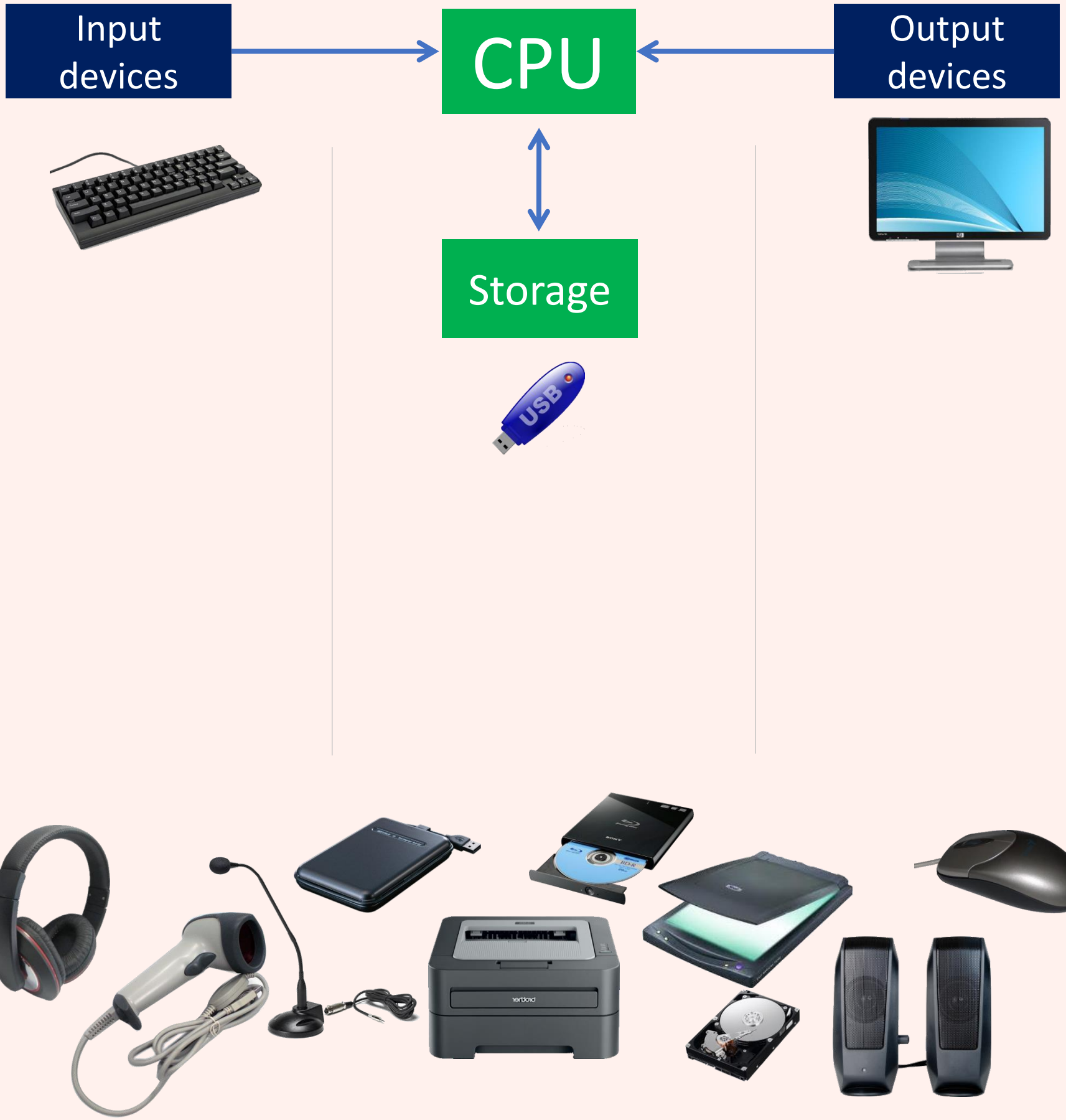
1. The number system computers use. 0s and 1s.
2. A place where documents can be stored when you are not using them.
3. Two or more devices connected together.
4. A set of step-by-step instuctions used to complete a task.
8. The brain of the computer. Where information and instructions are processed.

Input & Output Devices

see Appendix 2 for more information.

Below is a model of how the CPU, input, output, and storage devices work together.

Move the remaining pieces of hardware into the correct categories. Are they Input, Output, or Storage?



Design your own Website

see Appendix 3.

Have you ever wanted to create your own website? Take this opportunity to design it! It could be about absolutely anything!
Some examples…. a hobby or interest you have, a good cause such as environmental activism, or about your favourite sports team.

Use the information below to help you design it.

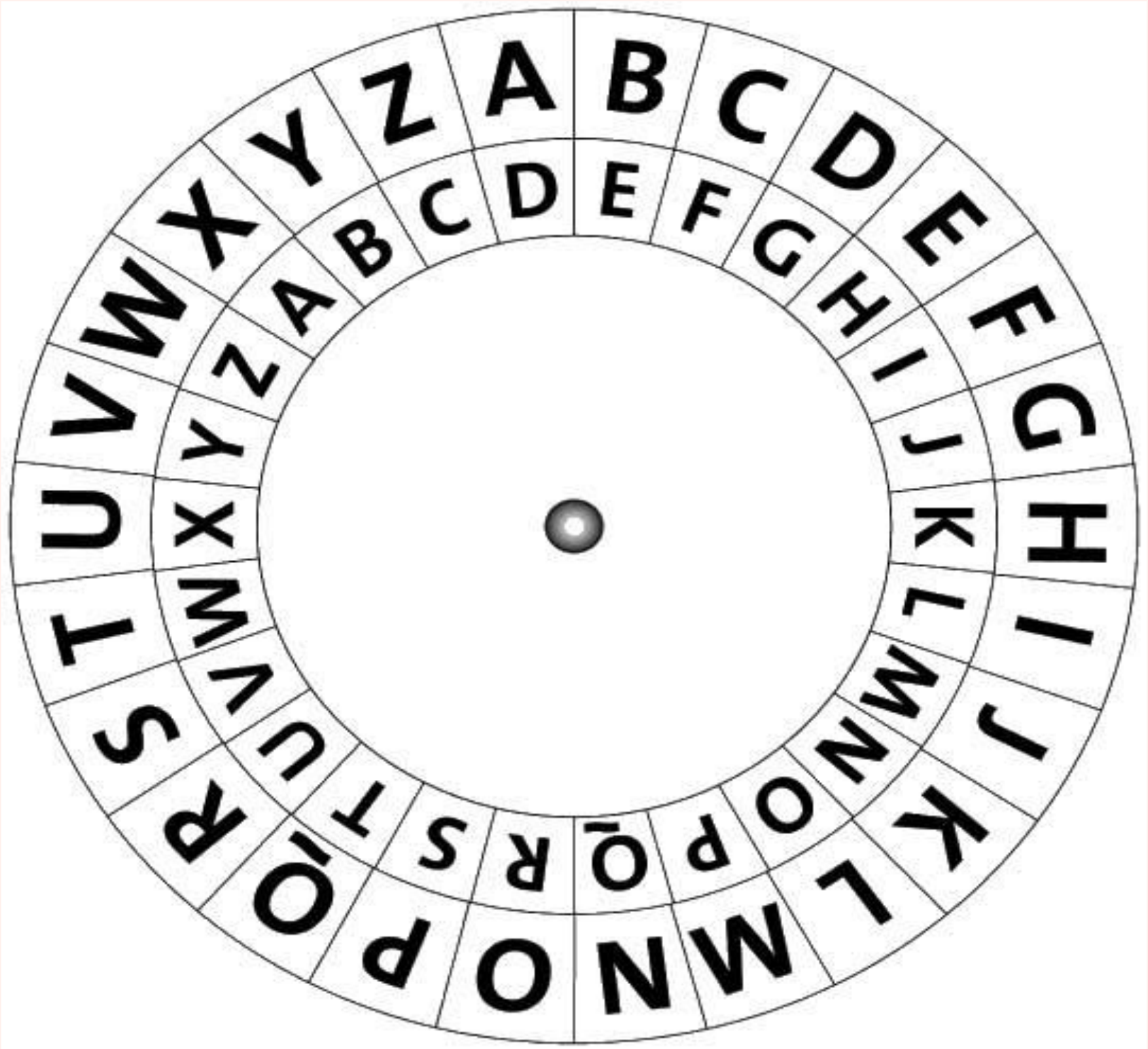
Website top tips:

- All website have a very similar look and feel.
- They all follow the same design principles.
- They can include multiple pages and feature a lot of different functionality.
- They all have a navigation system.
- They all use icons:

https://www.iconfinder.com/

You could do this on paper (see appendix 3) Or you could Sign up to mockflow.com and begin creating your designs.

Appendix 1



Use the wheel from the inside out.

Appendix 2

KEYWORDS:

CPU - Central Processing Unit
The brain of the computer where most calculations take place.

Storage Device - a piece of computer equipment on which information can be stored.

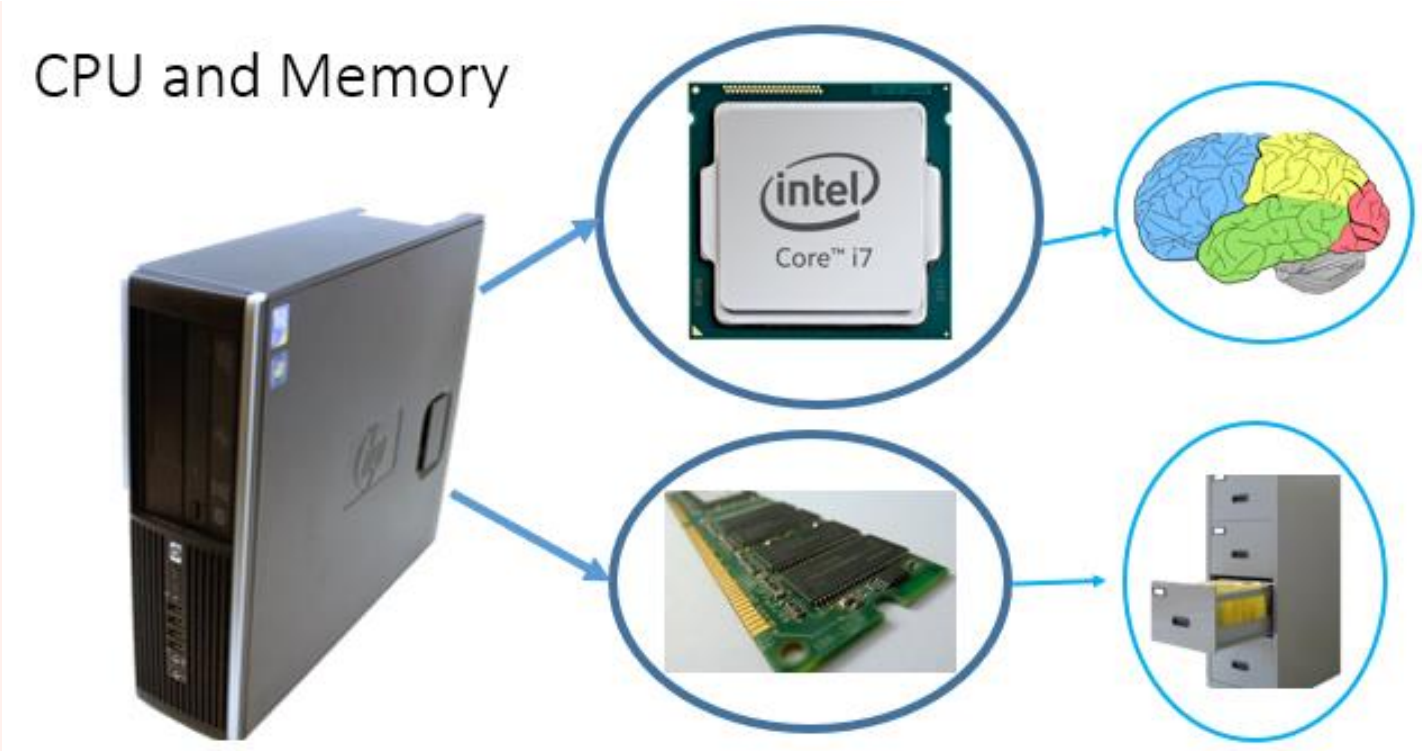
Input Device - a piece of equipment used to provide data and control signals to the computer.

Output Device - a piece of equipment that receives data from a computer, usually for display, projection, or physical reproduction.

What does a CPU do?

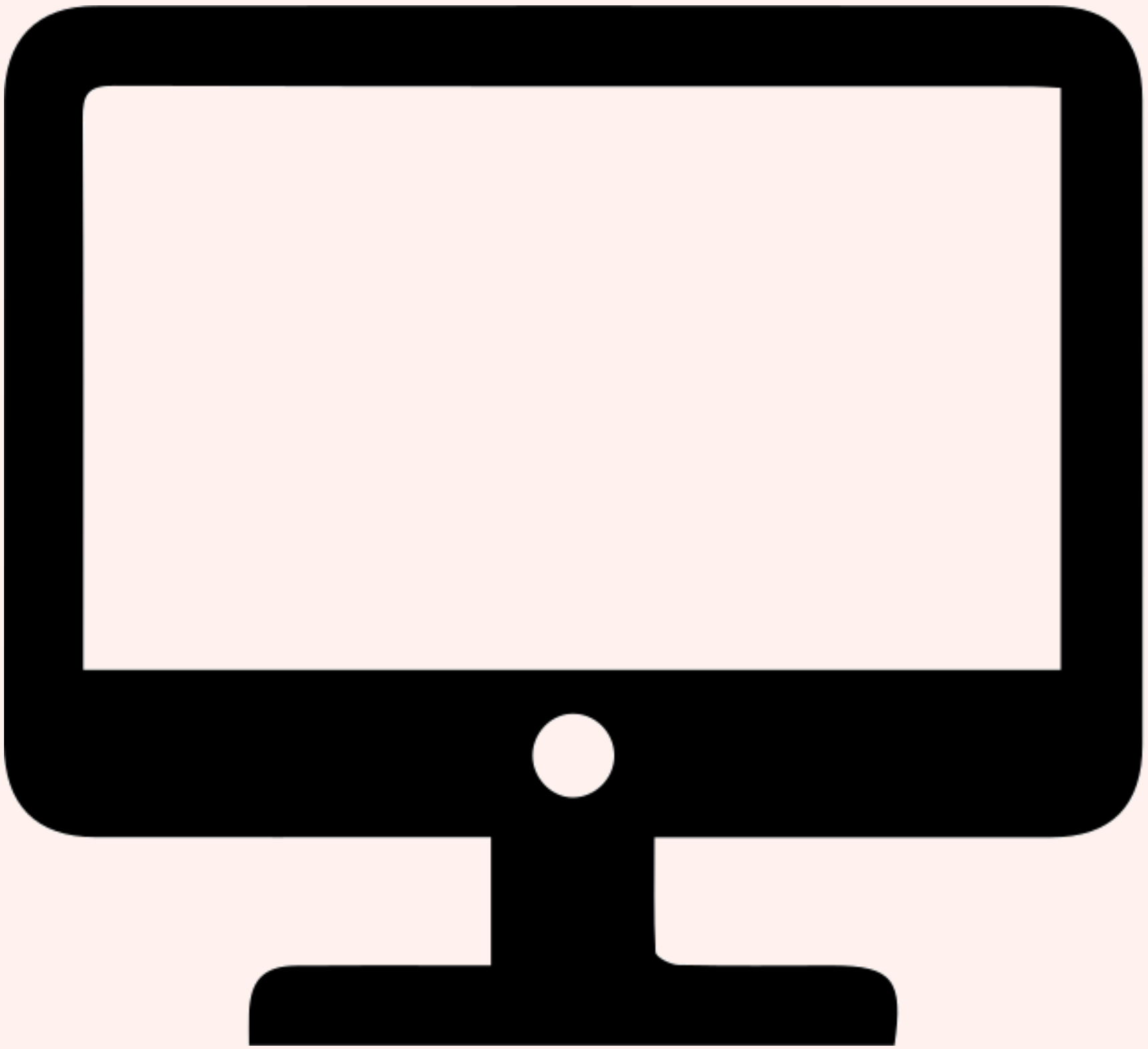
The **CPU** is responsible for executing a sequence of stored instructions called a ***program***.

This program will take ***inputs*** from an input device, process the input in some way and ***output*** the results to an *output device*.



Appendix 3

Desktop Version



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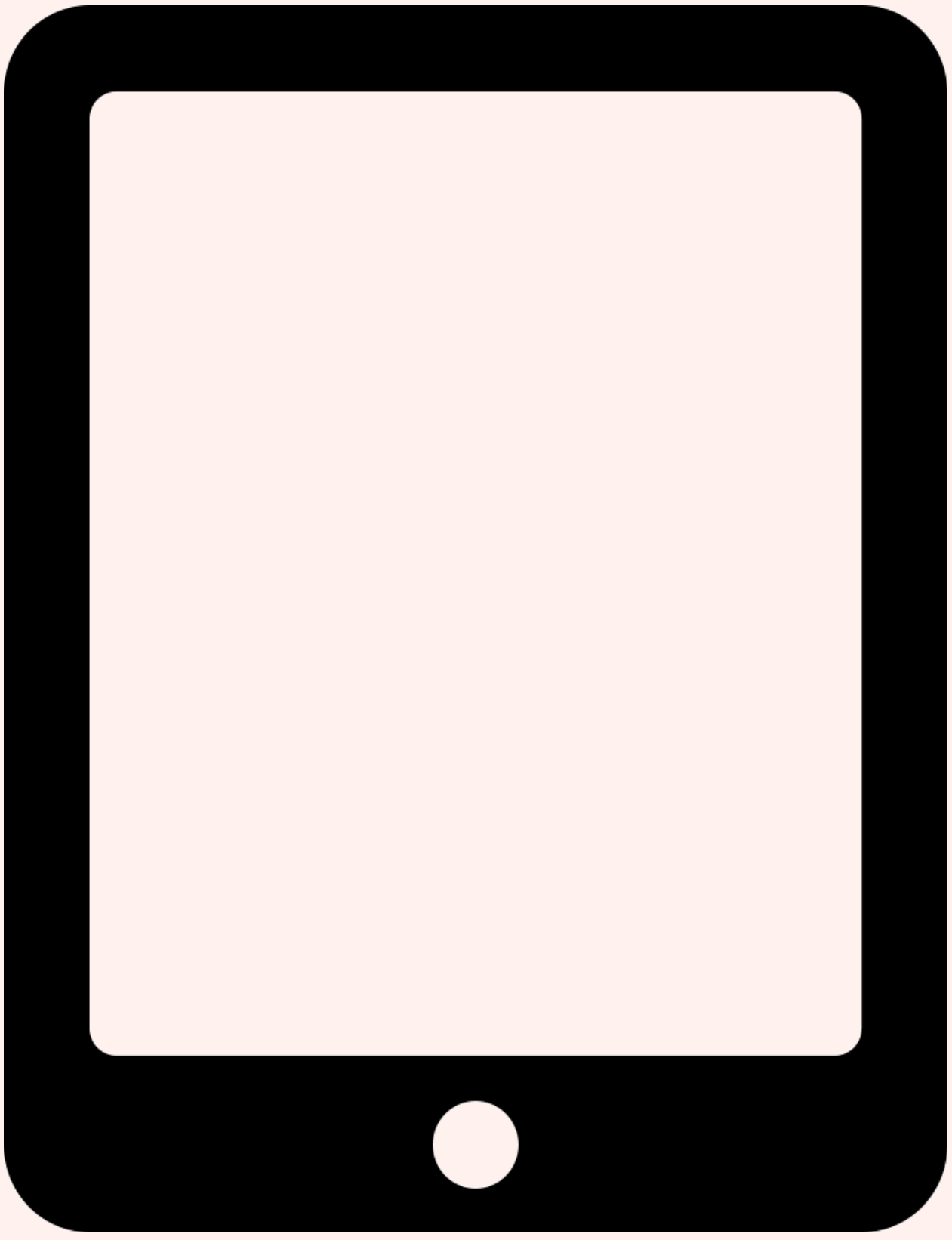
Appendix 3

Tablet Version



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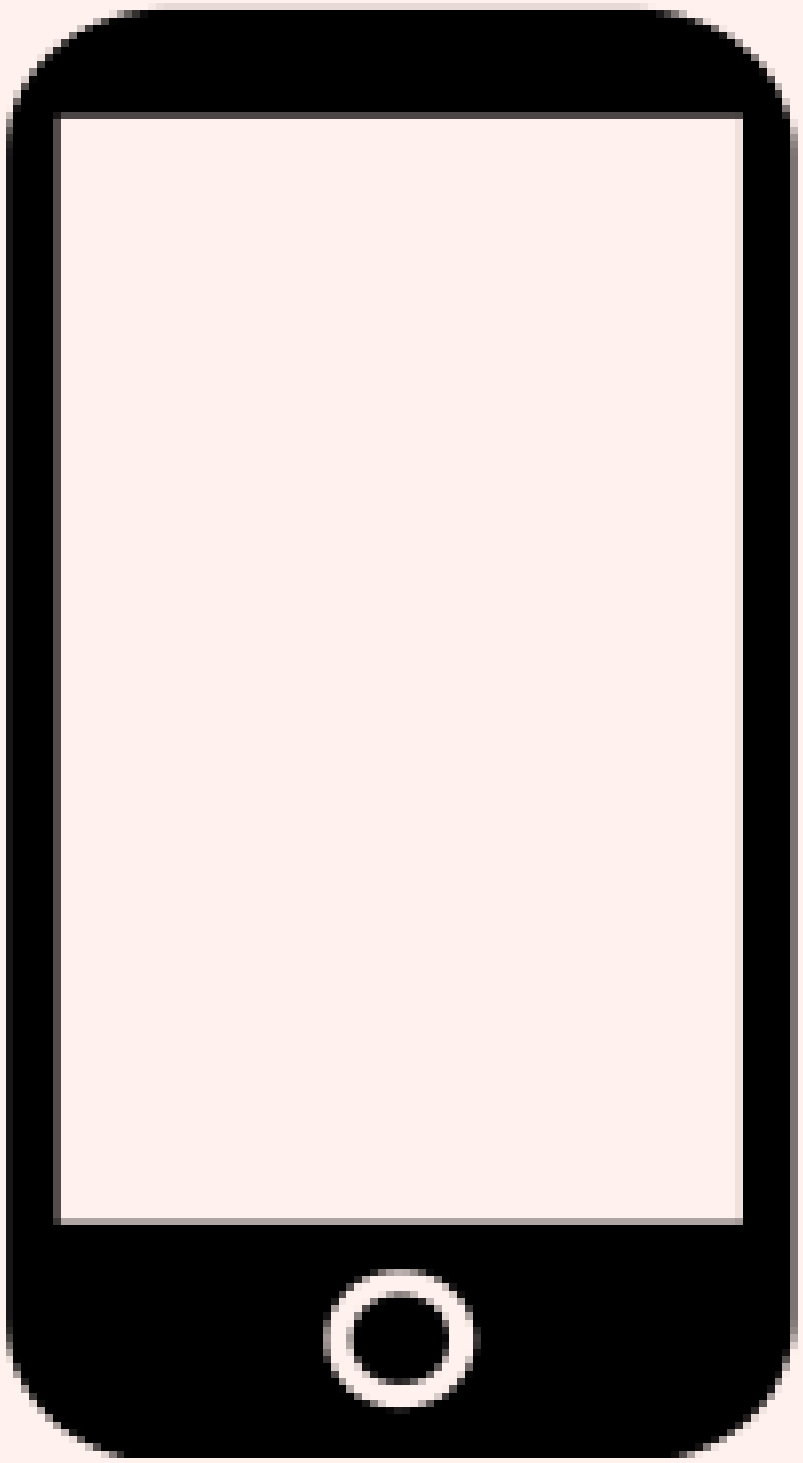
Appendix 3

Smartphone Version



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