

## Storage Devices – Starter or Plenary Kinaesthetic Activity

### Instructions

1. Print out the eight terms on the pages below.
2. Select eight students (or let the class select them).
3. Get the students to come to the front of the class.
4. Give each of the eight students one of the terms.
5. Ask them to hold up their term so that the class can see it clearly.

### Task 1

With the help of the class, get the students to sort themselves out into order of storage size starting at the largest one end going down to the smallest at the other.

Correct order (discussion will be needed about the order as students haven't been given the sizes of magnetic tape, hard disk, RAM or Flash Memory):

#### *Largest*

- Magnetic Tape (100 Gb)
- Hard Disk (80Gb)
- DVD-RW (4.7Gb)
- RAM (1Gb)
- CD-RW (650 Mb)
- Flash Memory (512 Mb)
- Zip Disk (100 Mb)
- Floppy Disk (1.44 Mb)

#### *Smallest*

### Task 2

With the help of the class, get the students to sort themselves out into the following groups:

- Magnetic storage devices
- Optical storage devices
- Solid state storage devices
- Volatile memory

Correct order:

#### *Magnetic*

Magnetic tape

Hard disk

Zip disk

Floppy disk

#### *Optical*

CD-RW

DVD-RW

#### *Solid state:*

Flash memory

#### *Volatitle memory*

RAM

### Task 3

With the help of the class, get the students to sort themselves out into serial/sequential access and random access

Correct order:

*Serial/sequential*

Magnetic tape

*Random*

RAM

Hard Disk

Flash Memory

CD-RW

DVD-RW

Floppy Disk

Zip Disk

### Task 4

With the help of the class, get the students to sort themselves out into two groups showing whether the storage device is an internal or external storage device

*Internal:*

RAM

Hard Disk

*External:*

Flash Memory

CD-RW

DVD-RW

Floppy Disk

Zip Disk

Magnetic Tape

### Task 5

With the help of the class, get the students to sort themselves out into a group which would be suitable to permanently store a file which was 600 Mb in size.

*Include:*

Hard Disk

CD-RW

DVD-RW

Magnetic Tape

### Task 6

With the help of the class, get the students to sort themselves out into a group which would be suitable to transfer a file from home to school which was 250 Mb in size

*Include:*

Flash Memory

CD-RW

DVD-RW

# Magnetic Tape

# Hard Disk

**DVD-RW**

**CD-RW**

**R.A.M.**

# Flash Memory

# Zip Disk

# Floppy Disk