



GIRLS' HIGH SCHOOL INFORMATION TECHNOLOGY

ACADEMIC YEAR: SEPTEMBER 2025 – JULY 2026

TERM 1 – 14 WEEKS

FORM 2 (GRADE 8)

SYLLABUS CONTENT

1. Define output devices and media/ characteristics and uses
2. Identify and describe the system unit (CPU, memory, motherboard, power supply, hard drive)
3. Specifications of a computer system (type, speed, cost, screen size, portability, storage capacity, drives and screen resolution)
4. Define terms relate to computer storage:
 - a. Bit
 - b. Byte
 - c. word
 - d. Character
 - e. Kilobyte
 - f. Megabyte
 - g. Gigabyte
5. Define the terms (a) primary and secondary storage (b) Distinguish between primary and secondary storage devices
6. Explain the function and uses of Primary Storage devices (RAM, ROM, EPROM, PROM, EEPROM)
7. State the characteristics of secondary storage media (Cost, Portability, Speed, and Capacity)
8. Explain the function and uses of Secondary Storage devices and media such as:
 - a) Magnetic – HDD, Hard disk, magnetic tape, USB Flash Memory drives, USB flash memory cards
 - b) Optical - CD, CD-R, CD-RW, CD-ROM and DVD
 - c) Solid State - SSD

EACH WEEK INCLUDES A FOCUSED AND MEASURABLE OBJECTIVE

WEEK	TOPIC FOCUS	WEEKLY OBJECTIVE
Week 1	Input Devices	Students will define input devices and describe the characteristics and uses of at least three types of input devices (e.g. keyboard, mouse, scanner).
Week 2	Output Devices	Students will define output devices and describe the characteristics and uses of at least three types of output devices (e.g. monitor, printer, speakers).
Week 3	Inside the System Unit	Students will identify and describe the main components of the system unit (CPU, motherboard, memory, hard drive, power supply) and explain their basic functions.
Week 4	Computer Specifications	Students will analyze and compare different computer system specifications (e.g. speed, storage, screen size, cost, portability, resolution) based on sample data.
Week 5	Storage Terminology	Students will define basic storage terms (bit, byte, word, character, kilobyte, megabyte, gigabyte) and illustrate how data sizes are measured.
Week 6	Primary vs. Secondary Storage	Students will define primary and secondary storage and distinguish between the two types by function and example.
Week 7	Primary Storage Devices	Students will explain the function and uses of RAM, ROM, PROM, EPROM, and EEPROM, and identify where each is typically used.
Week 8	Characteristics of Secondary Storage	Students will state and compare the characteristics of secondary storage media (cost, speed, portability, capacity) using real-world examples.
Week 9	Magnetic Storage Devices	Students will explain the function and uses of magnetic storage devices such as hard drives, magnetic tape, USB flash drives, and memory cards.
Week 10	Optical Storage Devices	Students will describe optical storage types (CD, CD-R, CD-RW, CD-ROM, DVD), and explain how data is stored and accessed on each.
Week 11	Solid State Storage	Students will describe the characteristics and uses of solid-state storage devices (e.g. SSDs), and compare them with magnetic and optical storage.
Week 12	Storage Device Comparison	Students will complete a comparison chart of magnetic, optical, and solid-state storage in terms of speed, cost, durability, and use cases.
Week 13	Review & Project	Students will review all Term 1 topics and complete a short project (e.g. creating a presentation or report comparing different types of storage and computer specs).

DESIGNED TO BE ACHIEVABLE IN 2 PERIODS PER WEEK.

✓ **ASSESSMENTS TO BE GIVEN PER WEEK**

- ✓ **Quizzes:** Definitions, matching, multiple choice **Diagrams:** Label system unit components
- ✓ **Hands-on:** Compare specs of real or sample devices (phones/laptops)
- ✓ **Group Work:** Chart comparisons or presentations
- ✓ **Mini Project:** Device buying guide or storage comparison