

BPS/EC/2026-27/12
28 April 2026

**BIRLA PUBLIC SCHOOL, DOHA, QATAR
CIRCULAR FOR GRADE IX**

Dear Parent,

Subject: **Selection of Optional Subject for Grade IX**

As per the guidelines of the Central Board of Secondary Education (CBSE), students entering Grade IX are required to select one optional subject in addition to the core academic subjects. This choice allows students to explore their interests and develop foundational skills in specific domains.

BPS had previously offered Data Science and Artificial Intelligence to the students of Grade IX. Due to the discontinuation of these subjects by CBSE from the academic year 2026-'27, BPS is now offering **Computer Application (Code 165)** for students, which will be continued in Grade IX & X.

Regards,



**Dr. Anand R. Nair
Principal**

Enclosure (Syllabus of Computer Applications - Code 165)

Computer Applications

Subject Code - 165

CLASS IX (2026-27)

Learning Outcomes

After the completion of the course, the student will be able to:

1. Familiarise themselves with the fundamental components and functions of computer systems, memory, storage devices, and I/O devices.
2. Develop an understanding of various types of software, computer networks, and multimedia.
3. Understand the importance of Safe Internet Practices
4. Create and edit documents, spread sheets, and presentations.
5. Perform basic data manipulation using spread sheets.
6. Animate text and pictures using presentation tool

Distribution of Marks

Unit No.	Unit Name	Marks
1.	Basics of Information Technology	20
2.	Cyber safety	15
3.	Office Tools	15
4.	Lab Exercises	50
	Total	100

Unit 1: Basics of Information Technology

- Computer Systems: characteristics of a computer, components of a computer system – CPU, memory, storage devices and I/O devices
- Memory: primary (RAM and ROM) and secondary memory
- Storage devices: hard disk, CD ROM, DVD, pen/flash drive, memory stick
- I/O devices: keyboard, mouse, monitor, printer, scanner, web camera
- Types of software: system software (operating system, device drivers), application software including mobile applications
- Computer networking: Type of networks: PAN, LAN, MAN, WAN, wired/wireless communication, Wi-Fi, Bluetooth, cloud computers (Private/public)
- Multimedia: images, audio, video, animation

Unit 2 : Cyber-safety

Safely browsing the web and using social networks: identity protection, proper usage of passwords, privacy, confidentiality of information, cyber stalking, reporting cybercrimes

- Malware: Viruses, adware

Unit 3: Office tools

- Introduction to a word processor: create and save a document.
- Edit and format text: text style (B, I, U), font type, font size, text colour, alignment of text. Format paragraphs with line and/or paragraph spacing. Add headers and footers, numbering pages, grammar and spell check utilities, subscript and superscript, insert symbols, use print preview, and print a document.
- Insert pictures, change the page setting, add bullets and numbering, borders and shading, and insert tables – insert/delete rows and columns, merge and split cells.
- Use auto-format, track changes, review comments, use of drawing tools, shapes and mathematical symbols.
- Presentation tool: understand the concept of slide shows, basic elements of a slide, different types of slide layouts, create and save a presentation, and learn about the different views of a slide set – normal view, slide sorter view and handouts.
- Edit and format a slide: add titles, subtitles, text, background, and watermark, headers and footers, and slide numbers.
- Insert pictures from files, create animations, add sound effects, and rehearse timings.
- Spreadsheets: concept of a worksheet and a workbook, create and save a worksheet.
- Working with a spreadsheet: enter numbers, text, date/time, series using auto fill; edit and format a worksheet including changing the colour, size, font, alignment of text; insert and delete cells, rows and columns. Enter a formula using the operators (+, -, *, /), refer to cells, and print a worksheet.
- Use simple statistical functions: SUM (), AVERAGE (), MAX (), MIN (), IF () (without compound statements); embed charts of various types: line, pie, scatter, bar and area in a worksheet.

4. Lab Exercises

- Browser settings for a secure connection
- Working with the operating system: Navigation of the file system using a mouse and keyboard.
- Word processing: create a text document; create a letter, report, and greeting card.
- Create a text document with figures in it. It should describe a concept taught in another course.
- Discuss the following in a text document about the basic organisation of a computer: CPU, memory, input/output devices, hard disk.
- Create a text document in an Indian language other than English.
- Create a presentation.
- Create a presentation with animation.
- Include existing images/ pictures in a presentation.
- Animate pictures and text with sound effects in a presentation
- Create a simple spreadsheet and perform the following operations: min, max, sum, and average.
- Create different types of charts using a spreadsheet: line, bar, area and pie.

Breakup of marks for the Practicals:

S.No.	Unit Name	Marks
1.	Lab Test (30 marks)	
	Word processing	10
	Handling spreadsheets	10
	Creating presentations	10
2.	Report File + viva (10 marks)	
	Report file:-- 4 documents each with a word processor, spreadsheet, and presentation tool	8
	Viva voce (based on the report file)	2
3.	Project (that uses most of the concepts that have been learnt) (10 marks)	
	Total Marks	50
