



PUTTING THE FUN BACK
INTO LEARNING!

Dear Parents and Guardians,

KS4 –

All Grade 9 students will be working on Web Publishing using HTML and CSS in ICT lessons. Student who have selected Computing as an optional subject will be focusing on sub-routines and functions, while developing programs.

KS3 –

Grade 8 will continue working on Data Analysis using spread sheets.

Grade 7 will practice applying formulas and functions to manipulate data in Microsoft Excel.

Grade 6 will continue with their power point presentations.

The Core Topics:

This term

Grade 6

Students will practice developing a well-planned and consistent in design power point.

Grade 7

Students will be working on Formulas and functions in Microsoft Excel.

Grade 8

Students will focus on Data Analysis and will use spreadsheet to learn different analysis tools and techniques.

Grade 9

In ICT lessons Grade 9 students will practice working with the presentation layer in Web Authoring.

In Computer Science lessons Grade 9 students will learn defining, and calling sub - routines in programming.

How Can You Help? Encourage your child to visit ictounge.com and [bbc bitesize](http://bbc.bitesize) to revise theory topics and solve quizzes available on the site.

Homework: All assigned homework will be available on the BRIC system as well as being explained to students in class.

Useful Website:

Grade 6: <https://codecombat.com/>

Grade 7: <https://scratch.mit.edu/>

www.bbc.co.uk/education/subjects/zvc9q6f

Grade 8: www.bbc.co.uk/education/subjects/z8mtsbk

www.ictlounge.com

Grade 9 (ICT): <http://www.bbc.co.uk/education/subjects/zqmtsbk>

www.ictlounge.com

Grade 9 (Computing): <http://www.bbc.co.uk/education/subjects/z34k7ty>

Curriculum Content for May 2017:

Grade 6: Powerpoint Presentations

Session Name	Description	Learning Intention
Presentations	Planning a presentation	<ul style="list-style-type: none">• Students will learn the importance of planning and things to consider while planning a presentation.• Students will learn about consistency while working on a presentation.• Students will learn to add narration, audio files and video files while making presentation.• Students will show their knowledge by evaluating different presentation.
	Consistency in design	
	Adding audio and video file in presentation	
	Adding animations and transitions in presentation	

Grade 7: Spreadsheets

Session Name	Description	Learning Intention
Spreadsheets	Working with Formulas and Functions	<ul style="list-style-type: none">• Students will work with basic formulas for total, average minimum value in a range and maximum value in a range.• Students will learn to apply filters to find a value depending on given criteria.• Students will learn to count number of cells filled in a range.
	Generating Sequences	
	Applying filter	

Grade 8: Data Analysis

Session Name	Description	Learning Intention
Data Analysis	String Functions	<ul style="list-style-type: none">• String functions; left(), upper(), lower(), trim() etc• Functions: count a, count if, if .• Using conditional formatting tools to analyse data effectively.• Modifying the criteria, adding the conditions to criteria.• Applying filters and sorting data.
	Sorting the data and filters.	
	Applying formulas using sheet references	
	Conditional Formatting	

Grade 9 ICT: Web Authoring

Session Name	Description	Learning Intention
Introducing Web Authoring	Revising HTML	<ul style="list-style-type: none">• Using embedded CSS for fonts, colours, background etc.• Using embedded CSS for tables and images.• Creating external style sheet and using them in HTML.• Creating internal style sheet and using them in HTML
	Working on Presentation Layer -CSS	
	Using Embedded style sheets	
	Using External Style sheet	

	Using Internal Style sheet	<ul style="list-style-type: none"> • Inserting images, videos, audios and hyperlinks in a webpage. • Using classes with in a CSS. • Testing and publishing a website.
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Grade 9 Computer Science:

Session Name	Description	Learning Intention
Problem Solving Programming Logic	String Functions	<ul style="list-style-type: none"> • To practice built in string functions of Python to extract a character or substring.
	Data Structure- Using one dimensional arrays	<ul style="list-style-type: none"> • To be able to declare and use a one dimensional array
	Over view of multi-dimensional arrays	<ul style="list-style-type: none"> • To understand how to use a variable as an index in an array.
	Advantages of using arrays	<ul style="list-style-type: none"> • To be able to read and write values in an array.
	Sub routines, Functions Vs. Procedures	<ul style="list-style-type: none"> • To practice programs involving arrays as a data structure. • To program a procedure, calling routine, returning parameters • To program a function, defining a function and calling function.

Best Regards

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