



PUTTING THE FUN BACK
INTO LEARNING!

Dear Parents and Guardians,

KS4 –

All Grade 9 students will complete their mid term assessment during the first week of November.

Students who have selected Computing as an optional subject will also be assessed during first week of November. More details of syllabus, resources and dates of assessments are on the BRIC Portal. Details are also discussed in class with students so that they are aware of the homework from resources uploaded on BRIC and sent home via email address.

KS3 –

Grade 6, 7 and 8 must continue practising their skill based learning. They have already done Checkpoint 1 during lesson and each task conducted during lesson is being assessed.

The Core Topics:

This term

Grade 6

Students will cover the topics of E-safety, Security and Ethics. Students will build programming logic during practical sessions using www.codecombat.com;

Grade 7

Students will do a project on components and types of computers, and will continue planning programs by applying computational thinking and by developing programs on Scratch.mit.edu.

Grade 8

Students will continue focusing on advanced document production and computer architecture during their Computing lessons.

Grade 9

In ICT lessons Grade 9 students will be revising the topic of Document Production covered last year and will also focus on the architecture of computers and the working of a CPU.

In Computing lessons Grade 9 students who have chosen this option will be covering Logic Gates and their functions and will practice exam style question to show their understanding of the topic. Students will also focus on building program logic.

How Can You Help? Encourage your child to enjoy working on their Scratch accounts to build their logic skills and their skill in programming.

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 November 2016:

Grade 6: E-Safety

Session Name	Description	Learning Intention
E-safety, Security and Ethics	Cyber Ethics	<ul style="list-style-type: none">• Do's and Don'ts practice checking websites they visit for privacy policies and privacy seals of approvals• To learn about meaning and effects of Cyber Bullying• To learn how to keep yourself safe from cyber bullying by communicating with elders.• To learn how to report Cyber bullying.• To learn reaching target by using simple programming commands.
	Cyber Bullying	
	Building Program Logic	

Grade 7: Computing

Session Name	Description	Learning Intention
Knowing Computers	Basic Computer Architecture	<ul style="list-style-type: none"> •To be able to explain the role of the main components within a computer •To be able to identify the advantages, disadvantages of different input, output and Storage devices.
	Input, Output and Storage devices	
Programming Skills	Project 5: Ping Pong Replica	<ul style="list-style-type: none"> •To understand the use of data while programming. •To learn about variables and uses of variables to hold data. • To use variables for saving score while playing a game. •Students will learn about x, y coordinates on Scratch Studio. •Students will learn to use x, y coordinate to show movement and gliding.
	Project 6: Fighting with waves	
	Project 7: Save the goal	
	Project 8: Fly high	

Grade 8: Document Production

Session Name	Description	Learning Intention
Document Production	Mail Merge	<p>To learn and practice following skills:</p> <ul style="list-style-type: none"> •Mail-merge a document with a data source. •Set page size, orientation, margins, gutter margins •Set number of columns in a page. •Set column width and spacing between columns •Defining the term widow and orphan •To learn about page section and column break to adjust pagination and avoid widows and orphans
	Page Layout	
	Advanced Page Layout and its uses.	
Knowing Computers	Types of Computers	<ul style="list-style-type: none"> • To identify different types of Computers. • To understand basic components of Computers • To understand the purpose, benefits and limitations of different types of peripheral devices.
	Components of Computers	
	Peripheral devices	

Grade 9 ICT:

Session Name	Description	Learning Intention
Components of Computer	Storage Devices	<ul style="list-style-type: none">• To learn about types of Storage devices.
	Peripheral devices: benefits and limitations	<ul style="list-style-type: none">• To understand the purpose, benefits and limitations of different storage devices.• To discuss and analyse effects of emerging technologies
	Effects of emerging technologies	
Revision Document Production	Planning a Document	<ul style="list-style-type: none">• Students will revise document production skills learned last year by completing their assignments for components of a computer.
	Understanding GUI of Application Software used	<ul style="list-style-type: none">• Students will revise things to consider while planning a document.• Students will apply simple and advanced formatting techniques while practising past papers questions.
	Saving Evidence while attempting Exam Style Questions.	<ul style="list-style-type: none">• Students will learn to save evidence while solving exam questions as per requirement of iGCSE.
	Formatting and Advanced Formatting	

Grade 9 Computing:

Session Name	Description	Learning Intention
Logic Gates	Purpose of Logic Gates	<ul style="list-style-type: none">• To understand the application of Logic Gates in computer circuits.• To understand the difference between data and information
	Data, Process, Information Cycle.	<ul style="list-style-type: none">• To be able to work out basic and complex logic circuits.• To be able to interpret the logic gate used in a symbol, from a simple statement.
	Practicing Simple and Combinational Logic Circuits.	<ul style="list-style-type: none">• To be able to develop a logic circuit diagram to produce a specific type of information.

Building Program Logic	What is a Program?	<ul style="list-style-type: none"> • Students will learn about Programs and basic terminologies. • Students will learn how to plan a program. • Students will learn about different types of programming languages and their pros and cons. • Students will learn about different things to consider while choosing a programming language.
	Planning a Program	
	Programming Languages	
	Why Python?	

Best Regards

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