

St. Mary's Catholic High School (2017-2018)

YEAR 1 LONG TERM PLAN with CURRICULUM STANDARDS

YEAR 1	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
Term 1	YR1/1(1)	YR1/2(1)	YR1/3(1)	YR1/4(1)	YR1/5(1)	YR1/6(1)	YR1/7(1)	YR1/8(1)
	<i>OUR AMAZING WORLD</i>							
	Introduction to computers-What's a computer?	Different types of computers	Parts of computer-Hardware units	Differentiate between hardware and software	What's coding?	A Program	Basics of algorithm	Flowchart-symbols and its functions
Term 1	YR1/9(1)	YR1/10(1)	YR1/11(1)	YR1/12(1)	YR1/13(1)	YR1/14(1)	YR1/15(1)	YR1/16(1)
	<i>CHANGES</i>							
	Keyboard Skills - Working with alphabets	Typing sentences	Keyboard skills - working with numbers	Typing Simple words using the keyboard	Using word bank	Virtual Experiments	Virtual experiments-Growing Plants	Virtual experiments-Sound and Hearing
YEAR 1	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
Term 2	YR1/17(1)	YR1/18(1)	YR1/19(1)	YR1/20(1)	YR1/21(1)	YR1/22(1)	YR1/23(1)	Yr1/24(1)
	<i>DIGITAL WORLD</i>							
	Introduction to Paint-Identifying Paint tools	Drawing using Paint	Use of geometrical shapes and applying colors	Creating a picture using shapes	Introducing Tux Paint tools	Drawing using straight lines	Creativity in coloring pictures	Use of Pictogram
Term 2	YR1/25(1)	YR1/26(1)	YR1/27(1)	YR1/27(2)	YR1/28(1)	YR1/29(1)	YR1/30(1)	YR1/31(1)
	<i>HANDLING DATA</i>							
	Collecting information for a pictogram	Entering information into a pictogram	Making your own Pictogram	Making your own pictogram	Introduction to Scratch Programming	Scratch tools	Instructions-Following instructions	Different types of instructions
YEAR 2 LONG TERM PLAN with CURRICULUM STANDARDS								
YEAR 2	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
Term 1	YR2 /1(1)	YR2 /2(1)	YR2/3(1)	YR2/4(1)	YR2/5(1)	YR2/6(1)	YR2/7(1)	YR2/8(1)
	<i>OUR AMAZING WORLD</i>							
	Introduction to Tux Paint	Drawing using TuxPaint	Use of tools and magic tools	Coloring images	Shapes and Colours	Straight lines	Making Pictures and background	Drawing using geometrical shapes and typing text

Term 1	YR2/9(1)	YR2/10(1)	YR2/11(1)	YR2/12(1)	YR2/13(1)	YR2/14(1)	YR2/15(1)	YR2/16(1)
	CHANGES							
	What is an algorithm?	Creating an algorithm	Algorithmic Notations-A flow chart	Algorithms in your life	What is coding?	What is scratch?	Working with sprites	Choosing a sprite -Paint a sprite
YEAR 2	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
Term 2	YR2/17(1)	YR2/18(1)	YR2/19(1)	YR2/20(1)	YR2/21(1)	YR2/22(1)	YR2/23(1)	YR2/24(1)
	HANDLING DATA							
	Simple script	Script for new looks	TuxTyping-Alphabets	Typing numbers	Typing medium,long, short words	Working with word processor	Typing simple words	Typing a simple poem
Term 2	YR2/25(1)	YR2/26(1)	YR2/27(2)	YR2/28(1)	YR2/29(1)	YR2/30(1)	YR2/31(1)	YR2/32(1)
	HANDLING DATA			LIGHT AND SOUND				
	Creating your own poem	Making a story-Telling a story	Virtual experiments-Health and Growth	Plants and animals-Variation	Virtual experiments-Forces and Movement	Pictograms to answer questions	Creating a simple Pictogram	Use of special characters and numbers-TuxMath
YEAR 3 LONG TERM PLAN with CURRICULUM STANDARDS								
YEAR 3	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
Term 1	YR3/1(1)	YR3/2(1)	YR3/3(1)	YR3/4(1)	YR3/5(1)	YR3/6(1)	YR3/7(1)	YR3/8(1)
	OUR AMAZING WORLD							CHANGES
	Combining words and pictures together	Combining words and pictures - Resizing a Graphic	Importance of Looks	Creating a table	Adding Pictures	Editing a text	Improving Text	Creating a magazine
Term 1	YR3/9(1)	YR3/10(1)	YR3/11(1)	YR3/12(1)	YR3/13(1)	YR3/14(1)	YR3/15(1)	YR3/16(1)
	CHANGES							
	Creating your own magazine	Getting started with algorithm-Definition	Sequencing an algorithm-Coding	Converting algorithmic coding into flowchart	Branching an algorithm	Linking algorithms with real life	Exploring real life - Plant a seed algorithm	Virtual Experiments-Sounds and Hearing
YEAR 3	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
Term 1	YR3/17(1)	YR3/18(1)	YR3/19(1)	YR3/20(1)	YR3/21(1)	YR3/22(1)	YR3/23(1)	YR3/24(1)
	HANDLING DATA							

Term 2	Virtual Experiments-Sound Circus ,Lights and shadows	Virtual Experiments-Plants and Animals	Introducing databases-Converting paper database into computer database	Using database to make graphs	Getting started with scratch-scratch Map	First scratch project	Applying motion-Coding with scratch	Choosing a sprite direction
	YR3/25(1)	YR3/26(1)	YR3/27(1)	YR3/28(1)	YR3/29(1)	YR3/30(1)	YR3/31(1)	YR3/32(1)
Term 2	DATA HANDLING				LETS EXPLORE MORE			
	Introducing loops-Basic	Simple animation	Introducing TuxMath	Logical reasoning-Working with math operators	TuxPaint-Creating an image	Working with Paint tools	Using the internet-Rules and regulations	Communicating via e-mail
YEAR 4 LONG TERM PLAN with CURRICULUM STANDARDS								
YEAR 4	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
Term 1	YR4/1(1)	YR4/2(1)	YR4/3(1)	YR4/4(1)	YR4/5(1)	YR4/6(1)	YR4/7(2)	YR4/8(1)
	OUR AMAZING WORLD							
	Newspaper-Frontpage setting	Newspaper - Formatting features	Editing text-Cut and Paste	Improving text-Spell check	Making your own newspaper-Sample layout1	Making your own newspaper-Sample layout2	Introduction to algorithm-Definition	Creating an algorithm-Example
Term 1	YR4/9(1)	YR4/10(1)	YR4/11(1)	YR4/12(1)	YR4/13(1)	YR4/14(1)	YR4/15(1)	YR4/16(1)
	OUR AMAZING WORLD			CHANGES				
	Flowchart and Notatations	Algorithm into Flowchart	Flowchart Examples	Flowchart-Loops	Using computer to paint	Copying and Resizing	Using symmetry tool	Creating images using different patterns
YEAR 4	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
Term 2	YR4/17(1)	YR4/18(1)	YR4/19(1)	YR4/20(1)	YR4/21(1)	YR4/22(1)	YR4/23(1)	YR4/24(1)
	THE WAY WE LIVE				DATA HANDLING			
	Virtual Experiments-Looking after your teeth	Virtual Experiments-Changing solids to liquids	Introduction to Scratch Programming-Scratch coding basics	Implementing loops in Scratch(If-Then)	Implementing loops in Scratch(If-Then-Else,Forever)	Coding for animation	Adding scenery and sound	Working with math operators
Term 2	YR4/25(1)	YR4/26(1)	YR4/27(1)	YR4/28(1)	YR4/29(1)	YR4/30(1)	YR4/31(1)	YR4/32(1)
	DATA HANDLING					LETS EXPLORE MORE		
	Designing a scratch project	Branching databases-Creating a branching	Bar Graph,Column Graph, Pie chart & Line Graph	Spreadsheets - Generating a calendar	Practising TuxMath- Logical skills	Practising TuxMath- Logical skills	Parts of computer-Desktop	Generation of computers

YEAR 5 LONG TERM PLAN with CURRICULUM STANDARDS

YEAR 5	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
Term 1	YR5/1(1)	YR5/2(1)	YR5/3(1)	YR5/4(2)		YR5/5(2)		YR5/6(1)
	<i>OUR WORLD</i>							
	Introduction to Word 2007	Bullet, numbering Headers-footers	Insert pictures , clipart, WordArt & Autoshapes	Paragraph formatting & Spell check & find-replace words in a document		Insert and edit tables		Dropcap, columns , symbols and Page borders
Term 1	YR5/7(1)	YR5/8(1)	YR5/9(1)	YR5/10(1)	YR5/11(1)	YR5/12(1)	YR5/13(1)	YR5/14(1)
	<i>CHANGES</i>							
	Problem solving	Introduction to Algorithm	Algorithms as sequence of instructions	Creating Algorithm using Flash cards	Algorithm using Arithmetic operators	Algorithms using binary decisions	Algorithms using logical operators	Real life algorithms

YEAR 5	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
Term 2	YR5/15(1)	YR5/16(1)	YR5/17(1)	YR5/18(1)	YR5/19(1)	YR5/20(1)	YR5/21(1)	YR5/22(1)
	<i>THE WAY WE LIVE LETS EXPLORE MORE</i>							
	Introduction to Flow chart	Flowchart Symbols and their purpose	Introduction to Flowchart editing software - Diagram Ring 6.3	Generating a Flowchart	Converting algorithm into flowchart	Flowchart using Arithmetic operators	Flowchart using comparison and logical operators	Flowchart for real life algorithms
Term 2	YR5/23(1)	YR5/24(1)	YR5/25(1)	YR5/26(1)	YR5/27(1)	YR5/28(1)	YR5/29(1)	YR5/30(1)
	<i>THE WAY WE LIVE LETS EXPLORE MORE</i>							
	Introduction to Presentation 2007	Different views	Working with textboxes and formatting text	Different types of polygons and shapes	Adding tables	Apply Themes, background and insert slide number	Adding charts and formatting charts	Add transition to slides

YEAR 6 LONG TERM PLAN with CURRICULUM STANDARDS

YEAR 6	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
Term 1	YR6/1(1)	YR6/2(1)	YR6/3(1)	YR6/4(1)	YR6/5(1)	YR6/6(1)	YR6/7(2)	
	<i>OUR WORLD</i>							
	Introduction to Excel	Navigating through a worksheet	Basic formatting	Alignment and wrapping of text	Formatting cells and sorting	Header footer and setting page break and printing in	Summarising data in the form of charts	

						landscape		
Term 1	YR6/8(1)	YR6/9(1)	YR6/10(2)		YR6/11(1)	YR6/12(1)	YR6/13(2)	
	CHANGES							
	Creating a picture chart	Inserting pictures, WordArt, symbol	Using sum and autosum formula		Using addition subtraction and multiplication formula	Use of division and average formula	Use of min,max formula	
YEAR 6	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
Term 2	YR6/14(1)	YR6/15(1)	YR6/16(1)	YR6/17(1)	YR6/18(1)	YR6/19(1)	YR6/20(1)	YR6/21(1)
	LETS EXPLORE MORE							
	Introduction to computing	What are algorithms?	Algorithms in everyday life	Algorithm using Arithmetic operators	Algorithm using comparison and logical operators	Algorithms using repetition structure	Creating a Flowchart	Converting algorithm into flowchart
Term 2	YR6/22(1)	YR6/23(1)	YR6/24(1)	YR6/25(1)	YR6/26(1)	YR6/27(1)	YR6/28(1)	YR6/29(1)
	CHANGES							
	Flowchart using Arithmetic and comparison operators	Flowchart for algorithms in everyday life	Getting started with Python 3.6.1	Variable types in Python	Basic operators in Python	User inputs in Python	Decision making in Python	Loops in Python
YEAR 7 LONG TERM PLAN with CURRICULUM STANDARDS								
YEAR 7	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
Term 1	YR7/1(3)			YR7/2(1)	YR7/3(1)	YR7/4(1)	YR7/5(1)	YR7/6(1)
	INTRODUCTION			POWERPOINT				
	What is ICT Using ICT to keep work safe Create a Safety			Introduction to Powerpoint	Working with slides	Adding images, cliparts and shapes	Manipulating images	Working with tables and charts
Term 1	YR7/7(1)	YR7/8(1)	YR7/9(1)	YR7/10(1)	YR7/11(1)	YR7/12(3)		
	POWERPOINT							
	Views and Header and Footer	Adding Animation	Adding Transitions	Themes background and color scheme	Adding sound and video to your presentation	Setting timings to your presentation and page set up	Revision on Powerpoint	Assignment & Worksheet on PowerPoint
YEAR 7	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8

Term 2	YR7/13(2)	YR7/14(1)	YR7/15(1)	YR7/16(1)	YR7/17(1)	YR7/18(1)	YR7/24(1)	
	WORD PROCESSING							
	Familiarising Word 2007 Label Parts of MS WORD window	Basic features of M.S. WORD	Find- replace and spell check	Working with graphics, symbols and special characters	Alignment and Paragraph spacing	Indenting paragraphs and bullets and numbering	Bullets and Numbering	
Term 2	YR7/25(1)	YR7/26(1)	YR7/27(1)	YR7/28(1)	YR7/29(1)	YR7/30(1)	YR7/31(1)	YR7/32(1)
	WORD PROCESSING							
	Header and footer	Inserting WordArt Objects Insert Page Color and Borders	Working with tables	Setting Page layout and columns	Previewing and Printing a document	Creating a Newsletter	Assignment & Worksheet on Word	
YEAR 8 LONG TERM PLAN with CURRICULUM STANDARDS								
YEAR 8	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
Term 1	DREAMWEAVER 8							
	Introduction to Dreamweaver 8	Creating a new website and webpage	Identify the parts of Dreamweaver 8 window	Design and Layout	Inserting tables	Adding Design Elements(Text and List)	Adding Design Elements(Image)	Creating Hyperlinks
Term 1	YR8/9 (1)	YR8/10 (1)	YR8/11 (1)	YR8/12 (1)	YR8/13 (1)	YR8/14 (1)	YR8/15 (1)	YR8/16 (1)
	DREAMWEAVER 8			HEALTH AND SAFETY			DREAMWEAVER 8 & HEALTH AND SAFETY	
	Previewing in browser	Different types of website		Health and Safety Create a website to show Healthy and Safety Issues			Worksheet on DreamWeaver, Health and Safety	
YEAR 8	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
Term 2	YR8/17 (1)	YR8/18 (2)		YR8/20 (1)	YR8/21 (1)	YR8/22 (1)	YR8/23 (1)	YR8/24 (1)
	MICROSOFT EXCEL							
	Introduction to spreadsheets	Basic formatting of a worksheet and Identifying Part of MS Excel Software		Sorting cells	Filtering tables	Conditional Formatting	Setting page layout	Using SUM, AUTOSUM, MIN, MAX, AVERAGE and COUNT
Term 2	YR8/25 (1)	YR8/26 (1)	YR8/27 (1)	YR8/28 (1)	YR8/29 (1)	YR8/30 (1)	YR8/31 (1)	YR8/32 (1)
	MICROSOFT EXCEL							
	Use of basic operators	Creating series and replication of formulae	Use of lookup formula		Use of if formula		Use of data validation and protection of cells	Worksheet on EXCEL

YRADE 9 LONG TERM PLAN with CURRICULUM STANDARDS

YEAR 9	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8							
Term 1	YR9/1 (2)		YR9/2 (2)		YR9/3 (2)		YR9/4 (2)		YR9/5 (2)		YR9/6 (4)		YR9/7 (2)		
	DIGITAL DEVICES														
	Input,Output, Processing and Storage		Hardware-types of computer and processors		Digital Devices - mainframe computers, microprocessors, laptop and desktop computers		Digital Devices - Mobile Phones and other digital devices		Digital Devices - Navigational aids		Features of digital devices			REVISION	
Term 1	YR9/8 (4)			YR9/9(4)			YR9/10(4)			YR9/11(4)					
	SOFTWARE														
	Software-Purpose and tools such as Utilities			Role/Function of the operating system			Software applications (apps)			Spreadsheet basics		Working with formulas-Sum,Max,Min,Average,c ount			
YEAR 9	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8							
Term 2	YR9/12(2)		YR9/13(4)			YR9/14(4)			YR9/15(2)		YR9/16(2)		YR9/17(2)		
	SPREADSHEET		SOFTWARE			PERIPHERAL DEVICES									
	Working with formula-if,sumif,countif,lookup		Software- Communication Software,Software updateand possible risks to data/systems			Types of peripheral devices – Output			Types of peripheral devices – Input		Types of peripheral devices – Input		Types of peripheral devices – Input		
Term 2	YR9/18(2)		YR9/19(2)		YR9/20(4)			YR9/21(4)			YR9/22(2)		YR9/23(2)		
	STORAGE DEVICES AND MEDIA						MEMORY			PROCESSOR		SPECIFIED NEEDS			
	Types of peripheral devices – Storage		Storage Devices - internal or external		Storage media and the capacity of storage			Memory - RAM and ROM			Processors - Function and Speed		ICT systems to meet specified needs		

YEAR 10 LONG TERM PLAN with CURRICULUM STANDARDS

YEAR 10	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8						
Term 1	YR10/1(8)				YR10/2(2)		YR10/3(2)		YR10/4(2)		YR10 /5(2)			
	COMMUNICATIONS				NETWORKS									
	Types of Digital Communications			Types of Digital Communications		Factors influencing the choice of digital communication in a Network.		Significance of bandwidth and latency		Features of broadband, mobile broadband and cellular networks.		Requirements for connecting to a network, including the internet.		REVISION

Term 1	YR10/6(2)	YR10/7(2)	YR10/8(2)	YR10/9(2)	YR 10/10(2)	YR 10/11(2)	YR10/12(4)	
	NETWORKS				INTERNET			
	components of wired and wireless systems	peer-to-peer and client-server networks	Benefits of using a LAN/home network	Securing data on a network, including the internet	Potential risks to data and personal information	Methods available to secure data and personal information online	online payment systems	REVISION
YEAR 10	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
Term 2	YR10/13(2)	YR10/14(2)	YR10/15(2)	YR10/16(2)	YR10/17(2)	YR10/18(2)	YR10/19(2)	YR10/20(2)
	SOCIAL IMPACT				ONLINE COMMUNITIES			
	Impact on employment and impact on working practices	Impact of the internet on individuals	Online working from home	Impact of the internet on organizations	Impact of the internet on society	Impact of the internet on society	Types of online communities	REVISION
Term 2	YR10/21(2)	YR10/22(2)	YR10/23(2)	YR10/24(4)		YR10/25(2)	YR10/26(2)	YR10/27(2)
	ONLINE COMMUNITIES		DATA PROTECTION			ONLINE INFORMATION		REVISION
	Use of online communities		Purpose of responsible use and acceptable behavior policies	Data protection, the legal requirements and legal rights	Safe and responsible practice when using ICT	Availability of information online	Use of online information	REVISION
YEAR 11 LONG TERM PLAN with CURRICULUM STANDARDS								
YEAR 11	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
Term 1	YR11/1(4)		YR11/2(6)			YR11/3(2)	YR11/4(2)	YR11/5(2)
	MODELLING & SIMULATION		WEB AUTHORIZING			DATA INPUT	REVISION	REVISION
	Modelling- creating and evaluating data models		Web Authoring Software			Data Output and Encoding data	Revision on Hardware	Revision on Backing storage and Memory
Term 1	YR11/6(12)					YR11/7(4)		
	DIFFERENT TYPES OF ICT SYSTEMS					REVISION		
	Applications and Effects- A typical day, Payroll, Airline reservation system	Applications and Effects- Supermarket stock control	Applications and Effects-Banking, Engineering and manufacturing, Weather stations	Applications and Effects- Logistics, Education	Applications and Effects - The Law, Health care and medicine	Libraries, Entertainment and Leisure activities, The impact of ICT on Society	Revision on Software	
YEAR 11	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
Term 2	YR11/8(4)		YR11/9(4)		YR11/10(2)	YR11/11(2)	YR11/12(4)	
	REVISION		REVISION		REVISION	REVISION	REVISION	
	REVISION on Communications,Network		REVISION on EXCEL formulas and		REVISION on MS.	REVISION on graphics, Video	REVISION on Databases	



and Internet

MACROS

WORD

**and Audio Editing
Software**

Microsoft Office