



YEAR 5

COMPUTING

Reference Resources Booklet (1)

Name :
ID :
Class :

2026-2027 Academic Year

YEAR 5

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Preface

At MPA International School, we are committed to nurturing learners who are not only knowledgeable but also capable of guiding their own learning journey. This booklet has been carefully prepared to support our students as a confident, curious, and independent learner by providing clear, structured notes that reinforce key concepts and offer guidance across all related topics.

Each section in this booklet connects directly to the topics of the textbook, offering:

- Clear explanations of key ideas
- Concept summaries for quick revision
- Supportive notes that encourage **self-study** and **personal reflection**

This resource is designed to help students’ **review at their own pace**, explore topics more deeply, and strengthen what they’ve learned in class. Whether they’re preparing for a quiz, completing homework, or simply curious to know more—this booklet is here to guide and support them. Most importantly, use it to grow as a **self-directed learner**—someone who learns with purpose, confidence, and curiosity.

This resource is not meant to replace active learning or classroom discussion but to empower students to revisit important content at their own pace—whether reviewing after a lesson, preparing for a quiz, or exploring further out of curiosity.

We hope this booklet empowers you to take ownership of your learning with purpose and pride.

Academic Team

MPA International School

Content

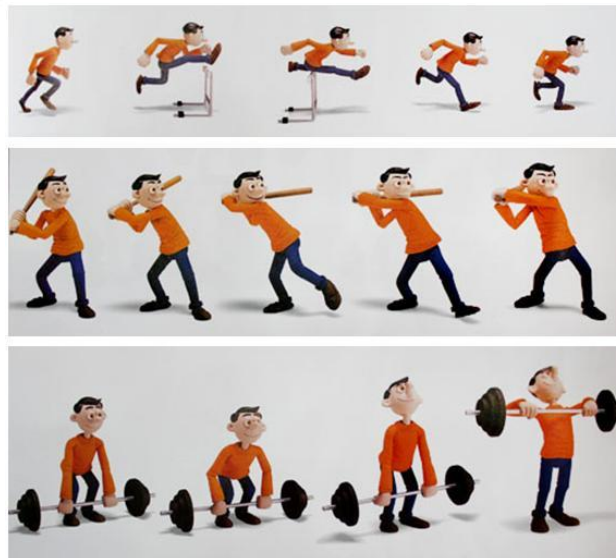
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Stop Motion Animation

What is Stop Motion Animation?

Stop motion is an animation made by taking many photos while moving objects a little each time.

Stop Motion = Many photos + Small movements Animation



Animator

An animator is a person who creates an animation.

Storyboard

A storyboard is a plan made with drawings before creating an animation.

Storyline

A storyline is the order of events in a story.

Character, Prop and Background

Character

The main person, animal, or object in the story.

Prop

An object used in a scene.

Examples:

- Chair, Book, Car

Background

The area behind the characters.

Example: Classroom, Park, House



Claymation

Claymation is a type of stop motion animation using clay.

Example:

- Clay animals
- Clay people



Green Screen

A green screen allows you to change the background of a video.

If we record a person in front of a green screen, it can be replaced the green background with another image while editing.

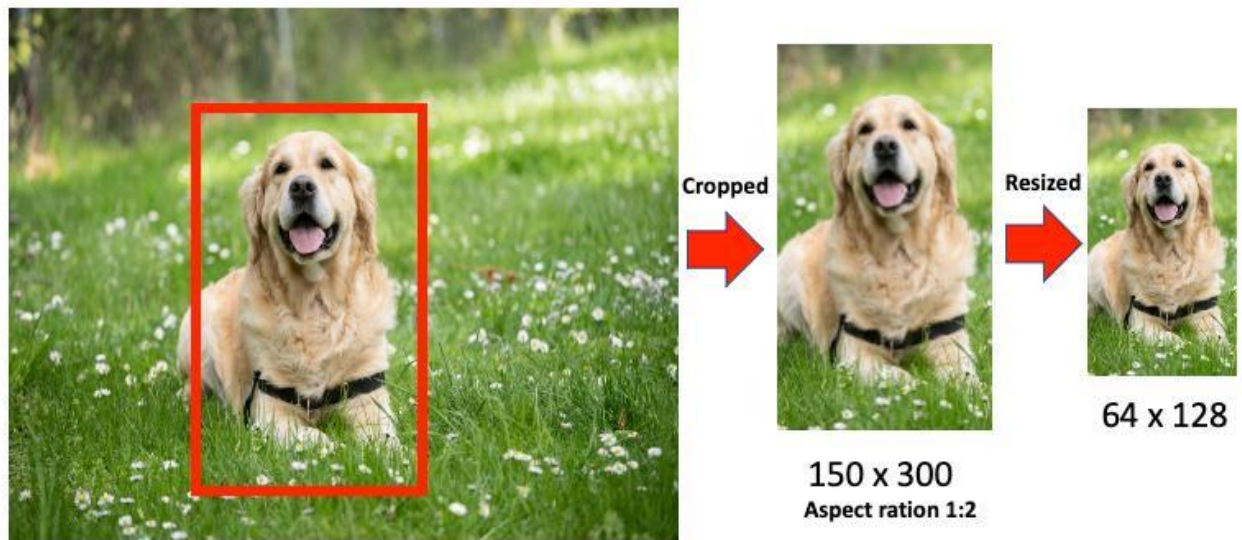


Sound Effects

A sound effect is an added sound in an animation.

Examples: Door opening, Rain sound, Explosion sound

Image Editing Skills



Key words:

Word	=	Meaning
Crop	=	Remove part of an image
Resize	=	Change image size
Delete	=	Remove an item
Copy	=	Make another version
Cut	=	Remove and move item to paste
Paste	=	Put copied item somewhere
Copyright	=	Protects someone's work

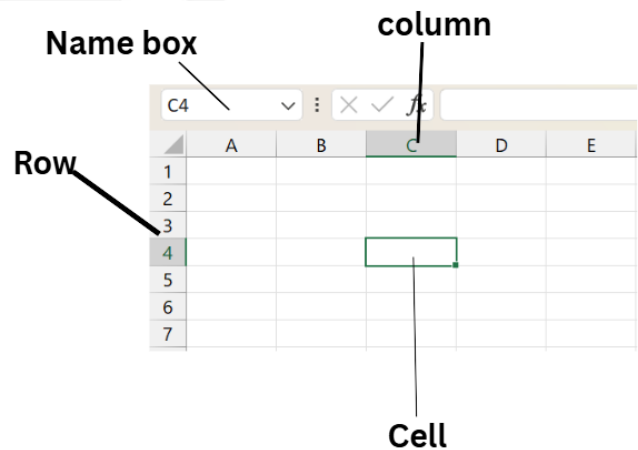
Excel Spreadsheet

Spreadsheet

A spreadsheet is used to organize and calculate data.

A spreadsheet contains:

- Rows
- Columns
- Cells



Cell

A cell is a box where you enter data.

Cell = One box in Excel

Row and Column

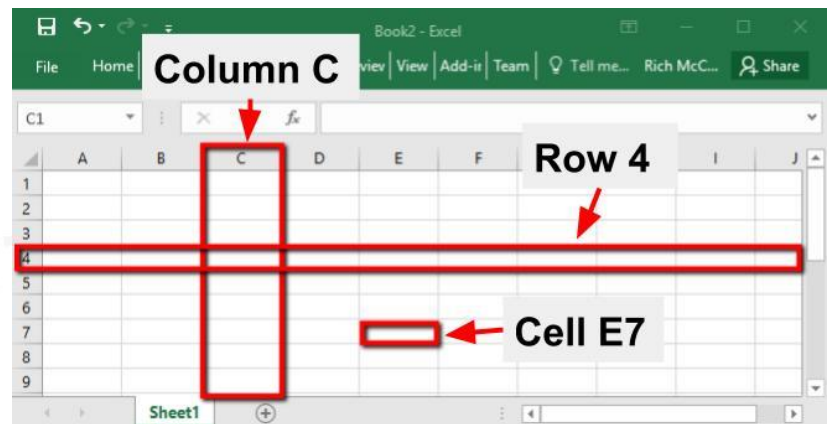
Row

Goes across the worksheet.

→ Horizontal

-Uses numbers.

Example: Row 1, Row 2, Row 3



Column

Goes up and down. ↓ Vertical

-Uses letters.

Example: Column A, Column B, Column C

Data is information entered into a spreadsheet.

Examples: Names, Numbers, Prices, Scores

Formula

A formula is an equation used to calculate values.

A formula always starts with: = equal to

Example: =B2+B3+B4

SUM Function

The SUM function adds numbers together.

Example:

=SUM(B1:D5)

Meaning:

Add all numbers from B1 to D5.

UNICODE		X ✓ f		=SUM(B1:D5)	
	A	B	C	D	E
1	Sum Function	58	44	55	
2		52	54	58	
3		25	64	88	
4		28	78	55	
5		55	55	78	
6		Total		=SUM(B1:D5)	
7				SUM(number1, [number2], ...)	

Average Function

The AVERAGE function finds the middle value of numbers.

Example:

=AVERAGE(B2:B6)

Meaning: Find the average of B2 to B6.

Range

A range is a group of selected cells.

Example:

D2:G8



Fill Handle

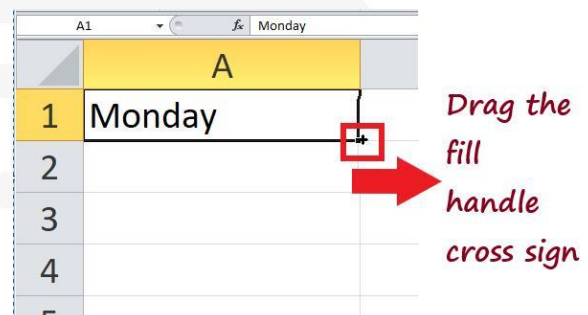
The Fill Handle is the small square at the corner of a selected cell.

It can:

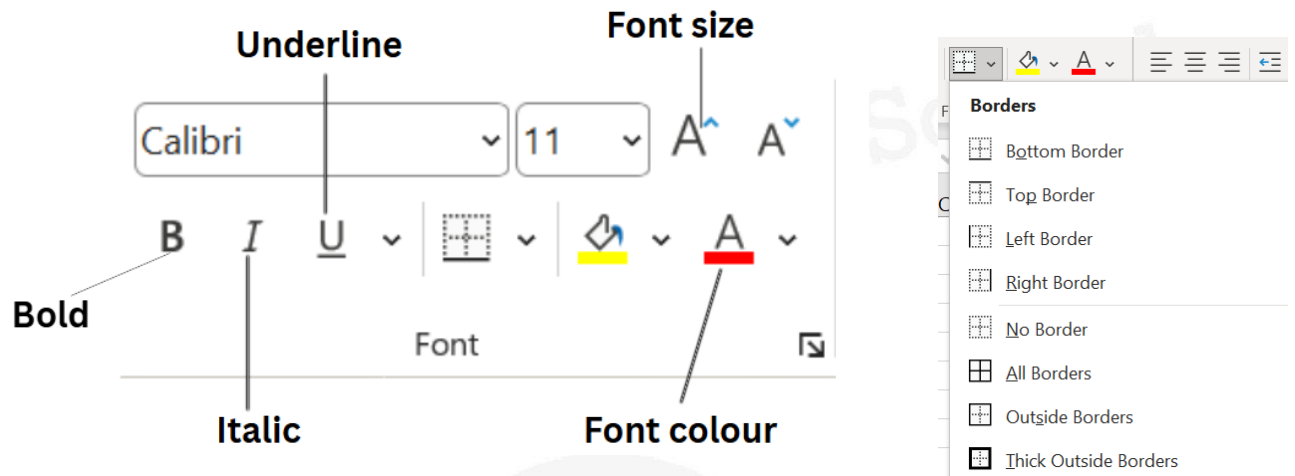
- ✓ Copy data
- ✓ Copy formulas
- ✓ Continue patterns

Example:

1, 2, 3 → drag → 4, 5, 6



Formatting



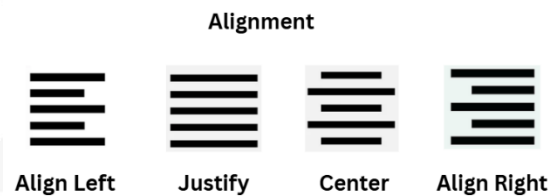
Formatting changes how data looks.

Bold-Makes text darker.

Font Color-Changes text colour.

Border=Adds lines around cells.

Alignment-Changes the position of text.



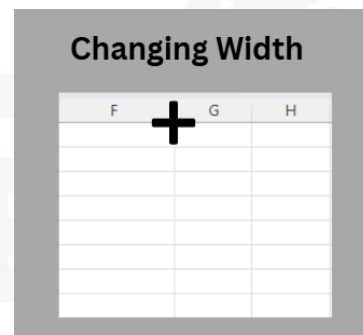
Width and Height

Column Width

-Changes how wide a column is.

Row Height

-Changes how tall a row is.

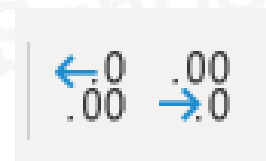


Decimal Places

Increase Decimal and Decrease Decimal Place.

Example:

2.5 → 2.50



Table

A table organizes data into rows and columns.

Name	Score
Tom	90
Amy	85

Charts

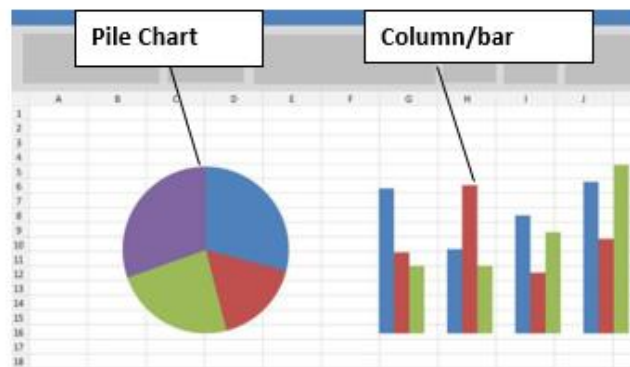
A chart shows data using pictures.

-Bar Chart

Shows comparisons.

-Pie Chart

Shows parts of a whole.



Applications Usage



Application	Used For	Examples
Spreadsheet	Organising numbers and data, Calculation with data.	Microsoft Excel, Google Sheets
Word Processor	Writing documents, long letters	Microsoft Word, Google Docs
Presentation	Creating slides with image	Microsoft PowerPoint, Google Slides
Desktop Publishing	Making posters and designs	Microsoft Publisher, Canva

References

- <https://pearson.com>
- Teacher made worksheet

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