MCA TODAY

THE COMPUTING EDITION

WHAT'S HAPPENING AT THE MOMENT?

YEAR 7

Year 7 are currently learning how to use spreadsheets to model and analyse data. They are developing an understanding of how data is used to find patterns, make decisions, and solve real-world problems.

YEAR 8

Year 8 are currently creating their own gaming apps for mobile phones using a platform called App Lab. Through this project, they are developing their coding skills and learning how apps are designed, built, and tested.

YEAR 9

Currently, Year 9 are investigating how computers, software and apps are used in different workplace situations to support a variety of tasks.

YEAR 10

Our Year 10 students are working on their GCSE coursework, designing and creating interfaces for information kiosks in shopping centres.

YEAR 11

Year 11 are focusing on GCSE revision, honing their exam techniques and strengthening their programming skills.

CELEBRATIONS

Mr. Abbas, one of our Computing teachers, is a proud member of the Digital Schoolhouse. He brings the world of technology to life by visiting our local primary schools and running hands-on, play-based computing workshops. From coding and algorithms to the exciting possibilities of artificial intelligence, students get to explore, experiment, and have fun while learning about the tech shaping our future!

STAFF SPOTLIGHT

Mr Dillion teaches PE at MCA and is also the House Leader for Shakespeare. He is Mr. Abbas is currently reading Harry Potter and the Chamber of Secrets and says he can't believe how much more exciting the book is than the film. He's thoroughly enjoying the adventures of Harry and friends and recommends it to both children and adults who love a magical story full of surprises.

FAMILY FOCUS

Our children are often more tech-savvy than we realize! Encourage your son or daughter to show you how they use emails, phones, or even more complex tools—like creating a simple game in Scratch or organizing files in Google Drive. Learning from them not only helps you keep up with modern technology but also gives you a chance to bond and share tips on staying safe online. Let your child be the teacher—it can be fun, eye-opening, and surprisingly educational!

WHAT'S COMING UP?

Our E-Sports Club has been busy with Nintendo tournaments on Splatoon 3, competing in teams of four. One of our teams has successfully progressed through the rounds, with backup players ready to step in if needed. Excitingly, they have now qualified for the regional finals and will travel to Barclays Eagle Lab to compete against six other schools from across Greater Manchester. If they win there, they will have the chance to play in the grand finals in London!

BOOKS WE'RE LOVING THIS WEEK

Here is some fantastic computer-related fiction that we recommend, all available at the MCA Library.

Little Brother– Cory Doctorow
Ready Player One– Ernest Cline
Danny Dunn and the Homework Machine– Raymond Abrashkin and Jay Williams
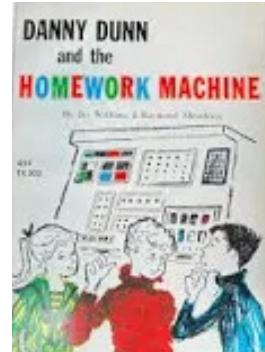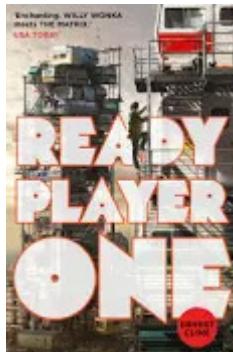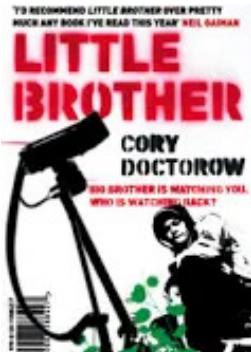
STUDENT SPOTLIGHT

AMY L - YEAR 9

Amy is one of our most hardworking Year 9 students. She has completed some fantastic, in depth work on cyber security this year. Her knowledge of how to protect herself online is amazing!

Well done Amy

Activity 2 – Categorise the Data

Complete the table below by adding example data next to each category. (been done in each category to help you get started.

Data collected by social media	
Personal information about you	Name
	age
	Date of birth
	address
	Phone number
Content you provide them with	Images
	Messages
	links
	stcikers
	files
User behaviour (what you do whilst using their platform)	What you have 'liked'
	Visiting platforms
	Check what i can do
	Find what i want to find
Data you have on others	Friends names
	Freinds numbers
	Friends adddress
	Social media
	Age

Activity 3 – Data Protection Act 2018

All organisations and people using personal data must abide by the Data Protection Act. There are 8 principles of the Data Protection Act.

Click on the link below to research the 8 principles of the Data Protection Act and complete the table.

The Data Protection Act: https://www.bbc.co.uk/bitesize/guides/z9nk87h/revision/4

	Data Protection Act Principle	Example (Challenge)
1.	Personal data must be fairly and lawfully processed	This means that the data you collect has to be used fairly and for legal reasons.
2.	Personal data must be obtained for specified and lawful purposes	This means organisations cannot use personal data for any other purposes except the purpose they stated when collecting the data
3.	Personal data must be adequate, relevant and not excessive	This means that the organisation cannot ask for any other information that is not required or relevant or needed
4.	Personal data must be accurate and up to date	This means data should be up to date and should be accurate information and data
5.	Personal data must not be kept longer than necessary	As soon as an organisation is done and doesn't need that data the must delete it
6.	Personal data must be processed in line with our rights	Your rights include the right to see any data held on you and the right to inaccurate data
7.	Personal data must be held securely	This means the data must be secure and safe and unattainable / unauthorised access and safe from accidental loss
8.	Personal data must not be transferred to other countries outside the European Economic Area, unless those countries have similar data protection laws.	Personal data must not be transferred to other countries outside the european economic area unless those countries