



# St Thomas More Catholic School

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Executive Headteacher: Mr Martin Tissot, MA, MBA, NPQH

Dear Parent/Carer

## **Crack the Code: Mathematical Thinking for Secondary School – Year 4 and 5 Maths Masterclasses**

We are delighted to invite your child to our Crack the Code Maths Masterclass. Open to all primary school pupils in Year 4 and 5, these four sessions will give your child the opportunity to immerse themselves in mathematical reasoning and logic, culminating in building their very own Escape Room.

Alongside the pupil sessions, we warmly invite parents to attend our Parent Workshop Programme, which aims to equip you with the confidence to support learning at home.

### **Timetable:**

Date	Masterclass	Parent Workshop
10 <sup>th</sup> March 2026	<b>Mathematical Reasoning and Pattern spotting</b> This session will focus on generalising patterns. I.e. Sequences, rules. With a build up from, spotting patterns, describing them and to conclude with generalising them algebraically.	Transition to secondary school.
17 <sup>th</sup> March 2026	<b>Logical Thinking &amp; Problem Solving</b> This session will focus on systematic working using logic grids and building arguments with KS3, KS4 reasoning. The students will then plan and organise information to solve a multi-step problem for themselves.	Building healthy homework habits now.
24 <sup>th</sup> March 2026	<b>Geometry for Codebreaking</b> This session will focus on Co-ordinates, transformations, angle reasoning (prior knowledge from KS2, building onto KS3). The students will use their focus points to articulate information onto a map.	Supporting your child with Maths
14 <sup>th</sup> April 2026	<b>Build and Present the Escape Room Challenge</b> This session will focus on tying up all the skills together and create their escape room. Which they can showcase to their parents and carers.	Internet safety

These masterclasses are **free of charge** and will run from **4pm-5pm**. They will be delivered by one of our expert Maths teachers, who has experience in leading challenging and engaging sessions for primary school aged pupils. To register for a place, please complete the form on the QR code.

Please contact me should you have any queries.

Yours sincerely

*A. Rosen*

**Mr A. Rosen**  
Head of School

