



SHIRLEY HIGH SCHOOL PERFORMING ARTS COLLEGE

Our Vision:

To develop aspirational learners who strive for excellence academically, creatively and culturally, benefitting from a wide range of opportunities led by inspirational educators

Hegarty Maths

AGM/P/MMB/HegartyMaths
5 December 2019

Dear Parents / Carers

Re: Hegarty Maths

To ensure the consistent progress of students in Maths we have acquired one of the best independent learning resources for all Shirley High School students to use. This resource is called Hegarty Maths (www.hegartymaths.com).

Hegarty Maths is an online resource and as such it can also be reached from home as well as at school. The website offers video lessons as well as quizzes for students and we will be setting weekly homework tasks. Homework will still be set via Sims in the usual way and will direct students to use Hegarty Maths.

Your child already has access to Hegarty Maths and it is recommended that they continue using it from home as much as possible to become familiar and further improve their Maths skills.

To login students should visit: www.hegartymaths.com and go to "student login". Please then follow the on-screen instructions for students to set up their passwords if they have not already done so at school.

Students are expected to:

- watch the videos and take notes;
- write down their quiz workings neatly;
- mark their own work, make corrections and write down their score at the end.

Your child should attempt all tasks allocated. If they struggle, they should watch the video before reattempting the task. Staff in school can see what % of the video has been watched and how long students spent on each task. We want students to put in their best effort to encourage resilience. Students must date and title the work (including the video number). Students are required to mark their tasks in red pen. This allows staff to quickly review where their errors are and provide more accurate feedback and target our support. An example layout is given below. This is what we would expect to see for each task:

The image shows two pages of handwritten student work. The left page contains two examples of perimeter calculations. Example 6 shows a square with side length 7.4 cm, with calculations: $P = 4 \times 7.4 = 29.6$ cm. Example 7 shows a rectangle with width 5.2 cm and height 7.9 cm, with calculations: $P = (2 \times 5.2) + (2 \times 7.9) = 10.4 + 15.8 = 26.2$ cm. A 'Mental Maths' box shows $5.2 + 7.9 = 13.1$ and $13.1 \times 2 = 26.2$. A red cloud contains the text 'REMEMBER! There is more than one way'. The right page shows three problems. Problem 1: Perimeter of a shaded square with side length 2 mm, calculation: $P = 4 \times 2 = 8$ mm. Problem 2: Perimeter of a shaded rectangle with width 6 m and height 11 m, calculation: $P = (2 \times 6) + (2 \times 11) = 12 + 22 = 34$ m. Problem 3: Perimeter of a shaded hexagon with side length 5 m, calculation: $P = 6 \times 5 = 30$ m. A blue box at the top right says 'No Calculator'.



SHIRLEY HIGH SCHOOL PERFORMING ARTS COLLEGE

Our Vision:

To develop aspirational learners who strive for excellence academically, creatively and culturally, benefitting from a wide range of opportunities led by inspirational educators

Hegarty Maths

If your child knows the material, they should still take the notes as it is a good habit to get into and ensures they are producing useful revision notes every week.

Watching the videos will:

- help to ensure your child does well in the quiz and feels good about their homework and Maths. We do not want our students to feel like they are on their own at home and the videos will give them the support they need to guarantee that they achieve successful homework.
- helps improve your child's memory. Copying down modelled examples helps students remember their Maths and get it into their long-term memory for greater retrieval.
- helps with copying down modelled examples which helps our students practise how to lay out their Maths properly. This will help them get questions correct and get extra method marks in exams even when they make mistakes.
- is good revision. When revising your child may sometimes look over material they already know – that is just as important as learning new things as making old learning solid helps prevent students from forgetting things.

We think this resource is very important as it helps our students to become independent learners and we are sure you will agree. Doing Maths at home will help to encourage good habits and methods which will help your child become more independent and be able to learn on their own (a vital life lesson) ensuring they can reach their full potential.

Yours sincerely

The Maths Department