The Gatton Maths Challenge

(half day)
Key Stage 2

Summary of Day

Follow the trail of mathematical tasks, around Gatton Park, to gather the numbers you will need to crack the code.

Learning Objectives

To select and use appropriate mathematical skills to solve a range of mathematical problems (including shape, data collection and making graphs, symmetry, simple equations and measuring within the natural environment of Gatton Park.

Key Vocabulary

shape
estimate
bar chart
symmetry
equations
measure

Prior Learning

No prior learning is essential for children to take part in this day.

Example Outline of the Day

Approx 10 am	**Arrival / Introduction to Gatton / Safety talk**
10.30 – 11.45	The groups will be given a brief introduction before they set off. Each group will start from a different location therefore there is only one group at each task at a given time. Each task is estimated to take approximately 15 – 20 minutes with about 3 minutes to walk between tasks.
11.45 – 12.00	Children work in their groups to follow a trail around Gatton Park and complete mathematical task at various points around the park. When they have completed all the tasks they will be able to use the numbers and a code breaker to break the code and work out the answer.
12.00 – 12.30	**Lunch**

Assessment Opportunities

Gatton Staff will assess progress throughout the day by open ended questioning and a plenary session:

- Have the children selected the appropriate mathematical skills to enable them to complete the tasks and so crack the code?

Information for the Group Leader

- Outdoor clothing and sturdy footwear / wellies are advised.
- Please note that due to the nature of the study site, adjustments may need to be made to this programme for those visitors who use a wheelchair or have limited mobility. Please contact the Centre to discuss alternatives.
- Please note this day will go ahead in most weather conditions. However alternative bad weather activities are available at the Centre if necessary.
- All the activities in this programme take place in groups of six. Please organise your class into groups before the visit and assign an adult to each group. The accompanying adult must be able to support the children in completing the mathematical challenges. Ensure that the children are aware of who they will be working with.
- Centre Risk Assessments forms are available for those who come on a pre-visit; these may be used to write your own risk assessments in accordance with your school's requirements.

Post Visit Learning Opportunities

For more ideas visit the follow up activities section of the Gatton Trust Website.

Differentiation	Access	Adult Participation
• Adults will encourage participation and give support as appropriate. • Specific adjustments can be made to suit individual needs in conjunction with the class teacher.	• Large worksheets can be provided with prior notice. • Different learning styles are considered throughout the day. • Please inform us in advance if any of your students have limited mobility.	• Adults will encourage participation and give support as appropriate during practical tasks. • Adults will independently supervise children in their group to follow the trail and complete the mathematical challenges. • Adults in each group will need a phone in case of emergency.

		• Please ask adults to keep their mobile phones switched to silent during the teaching part of the day and only make and receive calls at lunch time.

Resources
• Teachers are provided in advance with a Gatton Maths Challenge pack for information. Gatton provides adult information packs (for the day), children's worksheets, clipboards and pencils.