

Summary of Day

Complete a series of measuring activities set on the Parterre with emphasis on sensible estimating and choosing the most suitable equipment.

- To select and use appropriate equipment to measure
- To be able to make sensible estimates
- To use the correct language
- To be able to use and compare standard and non-standard units of length

Key Vocabulary

Standard / non-standard

estimate

metre

centimetre

millimetre

sphere

cylinder

tangram
shape

Prior Learning

To maximise children's learning during their visit, it would be beneficial for them to:

- Have a basic knowledge of non-standard measures
- Have experience of using a ruler, metre rule and tape measure.

Example Outline of the Day

Approx 10 am	Arrive / Introduction to Gatton Park / Safety talk
10.20 – 10.40	Discuss standard and non-standard measures with reference to historical measures e.g. hands, span, feet, paces, furlongs, chains, cubits and why they were used. Think about how to estimate and why this is a useful skill.
10.40 – 12.00	Measuring activities
12.10-12.45	Lunch

Assessment Opportunities

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

- Have the children selected the appropriate skill to answer mathematical problems
- Have the children selected the appropriate equipment for solving measuring problems
- Have the children selected appropriate units for measuring.

Information for the group leader

- Outdoor clothing & 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.
- The pupils will be in small groups accompanied by an adult for part of this activity. The maximum number of groups is 6 and ideally these groups should be allocated in advance. The accompanying adult must be able to support the children in completing the mathematical challenges
- Centre Risk Assessments 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
<ul style="list-style-type: none">• Adults to encourage participation and give support as appropriate• Specific adjustments can be made to suit individual needs in conjunction with the class teacher	<ul style="list-style-type: none">• Large worksheets can be provided with prior notice.• Different learning styles considered throughout the day.• Please inform us in advance if any of your students have limited mobility.	<ul style="list-style-type: none">• Adults to encourage participation and give support as appropriate during practical tasks.• Adults to accompany a small group completing maths trail on their own.• 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

All resources for the day are provided by Gatton Park Education Centre, including:

- Measuring equipment