

**Safeguarding Statement**

Langley Park School for Girls is committed to safeguarding and promoting the welfare of children and young people and expects all staff and volunteers to share this commitment.

**Equality & Diversity Statement**

Langley Park School for Girls is committed to valuing and celebrating diversity and promoting equality of opportunity for all its staff and students. We are working to create a learning and working environment which is free from prejudice, discrimination, intimidation and all forms of harassment including bullying. Respect for rights is at the heart of our planning, policies, practice and ethos and we expect all members of our school community to model this in their behaviour and relationships.

**POLICY TITLE: LPGS NUMERACY POLICY**

<b>Approval Body:</b>	<b>Governing Body</b>
<b>Approval Date:</b>	<b>November 2019</b>
<b>Implementation Date:</b>	<b>November 2019</b>
<b>Designated Person (as appropriate):</b>	<b>Coral Sunman</b>
<b>Committee with Remit (as appropriate):</b>	<b>Governing Body</b>
<b>Intended Audience:</b>	<b>Staff</b>
<b>Review Date:</b>	<b>October 2020</b>

**Version History**

<b>Version</b>	<b>Approval Date</b>	<b>Summary of Changes</b>
1.0	November 2019	New Policy

## LPGS NUMERACY POLICY

### Statement

“Good Numeracy is the best protection against unemployment, low wages and poor health” Andreas Schleicher, OECD 2013.

Numeracy means having the confidence and competence to use numbers and Mathematical approaches in all areas of life - at school, in practical everyday activities at home and beyond. Numeracy is a proficiency that means being able to reason with numbers and Mathematical concepts and to apply these in a range of contexts and to solve a variety of problems. It requires understanding of the number system, a repertoire of mathematical techniques and an inclination and ability to solve quantitative or spatial problems in a range of contexts. Numeracy skills are as much about thinking and reasoning logically as about 'doing sums'. Numeracy means being able to:

- Interpret data, charts and diagrams
- Process information
- Solve problems
- Check answers
- Understand and explain solutions
- Make decisions based on logical thinking and reasoning.

At Langley Park School for Girls, we are committed to developing the Numeracy skills of all our students. We believe that confident Numeracy skills will support our students' learning, enabling them to access all areas of the curriculum and, in turn, raise standards in all subjects. Numeracy is a skill that is developed not only in the Mathematics department but across the whole curriculum. It is important to establish that all teachers are teachers of Numeracy and that it is embedded in all our subjects, from Music to Geography to Science.

Below are examples of how Numeracy may be encountered in other curriculum areas:

- Art – symmetry, paint mixing with ratios.
- Drama - Performance running times and cue times.
- English – comparing two data sets on word and sentence length.
- Food Technology – Reading scales, ratio and proportion in recipes.
- Geography – Representing data, reading maps.
- History – timelines, sequencing events.
- MFL – dates, numbers, counting, 24 hour clock, prices
- Music – Patterns and sequences, notes.
- Physical Education – estimation, time and measurement.
- Religious Studies – interpreting and comparing data.
- Science – formulae, graphs.

### Objectives

- To recognise the importance of Numeracy in all subjects across the curriculum.
- To identify similarities and differences in the teaching of Numeracy in different curriculum areas and develop a common approach.
- To ensure consistency of practice in Numeracy including methods, techniques, vocabulary and notation.
- To encourage staff to take responsibility for the development of Numeracy in each subject area.
- To promote a positive attitude towards Numeracy amongst all staff and students.
- To encourage students to transfer Numeracy and Mathematical skills and apply them in everyday contexts.

**Strategies**

- Whole school Numeracy Review to establish where Numeracy is used in other subject areas.
- All subject teachers will have a responsibility to identify aspects of their schemes of work that relate to Numeracy and for highlighting these in their planning.
- All subject teachers will have a responsibility to make their Numeracy-linked topics explicit to their students.
- Support staff to adopt a consistent approach to teaching Numeracy-linked topics in identified areas.
- Weekly Numeracy skills practice in year 7 Maths lessons through Numeracy Ninjas.
- Fortnightly Numeracy focus in tutor time for years 7 and 8.
- Weekly Number Crunch on Firefly for staff and students.
- Access for year 7 and 8 students to the PiXL Timestables application.
- Calendar dates for a whole school focus on Numeracy and Mathematics e.g. National Numeracy Day and Maths Week London/England.