

**Seaford Head School**

Achieving Excellence Together



# Numeracy Across the Curriculum Policy

Governors Committee Responsible for the Policy:	Standards Committee
Date Approved:	September 2023
Recommended Review Period:	Annually
Date for Review:	September 2024
Leadership Team Role Responsible for the Operation of the Policy:	Assistant Head Teacher for Data

*The Seaford Learning Trust's vision is for all members of the Seaford Community to be supported, challenged and inspired to be the very best that they can be. The Trust aims to deliver an "all – through" style education of the highest quality in a community where learning is for everyone.*

*Prior to joining the Trust, the two schools that are founding members, Chyngton Primary and Seaford Head School, were successful LA schools. The Trust will continue to adopt and adapt ESCC policies during the period of transition and harmonisation. The Local Governing Boards have the responsibility for monitoring and reviewing the impact of school policies.*

## Numeracy across the Curriculum Policy- Seaford Head School

### **What is numeracy?**

There are a number of definitions. We believe the following is most appropriate:

“Numeracy is a proficiency, which involves confidence and competence with numbers and measures. It is more than an ability to do basic arithmetic requiring an understanding of the number system, a range of mathematical techniques and an inclination and ability to solve quantitative or spatial problems in a range of contexts. It demands an understanding of the ways in which data are gathered by counting and measuring, and presented in graphs, diagrams, charts and tables”.

*(National Numeracy Strategy)*

### **Context:**

Development of good numeracy skills is critical in preparing students for life after school and, as a result, should be seen as a vital part of student’s education within all subject areas. All subjects can contribute to the development and enhancement of students’ Numeracy skills including their ability to describe and explain their strategies and reasoning.

### **Aims and objectives:**

- To develop and maintain strategies for numeracy across the curriculum across the school.
- To raise the profile of numeracy in the school.
- To develop cross curricular use of numeracy, ensuring pupils can apply mathematical concepts to solve real life problems in all subjects.
- To raise standards of numeracy across all subjects by enhancing the quality of teaching and learning.

### **Roles:**

All staff have the responsibility for leading numeracy development at Seaford Head School. Strategic leadership and monitoring is undertaken by the Senior Leadership team, supported by the Maths department. All members of staff should be encouraged to observe lessons delivered by the Maths department, especially those that teach the skills that will be needed in their own subject. Discussions with the Maths department when planning lessons will also be encouraged.

The Maths Department have studied the curriculum of all subjects in department meetings and identified the subjects that require the most frequent use of numeracy as: science, technology, geography, business studies and computer science so initially will be working collaboratively with these subjects.

### **Delivery of numeracy for academic year 2023-24**

#### **Tutors:-**

- All tutors will promote termly numeracy competitions- Sparx superstars, sumdog, pi day, global money week, UKMT maths challenges.
- All staff will be aware of the numeracy events which are on the whole school calendar.

These activities will be coordinated by the maths department and overseen by Liz Bromley (Subject Leader)

**Within departments (Science, Technology, Geography, Business Studies, PSHE and Computer Science):-**

- Each Head of Department should be aware of how they can support the delivery of numeracy within their subject. Each department will have a link member of staff in the Maths department who they can approach with any questions or problems. These link teachers are as follows Matt Quanstrom (Science), James Grover (Art), David Hunt (Technology), Ben Still (Geography), Maria Salisbury (Business), Nick Ullah (Computer science), Sam Whittaker (PSHE).
- In Year 11 PSHE, a term is dedicated to studying money skills for life such as tax and national insurance and gambling and addiction.
- Mathematics teachers are to be provided with resources which will enable them to include applications of numeracy relating to other subjects in mathematics lessons.
- Maths classrooms will have displays which incorporate elements of numeracy across the curriculum.

The department links will be coordinated by Mike Brown and overseen by Liz Bromley.

**Required numeracy skills for students:**

Students at Seaford Head School should:

- Be able to perform addition, subtraction, multiplication and division using either a mental or written method.
- Make estimates of measurements and convert between metric units.
- Have a knowledge of equivalent fractions, decimals and percentages.
- Be able to read information from charts, graphs and tables.
- Make sense of number problems and identify the steps and operations needed to solve the problem.
- Judge whether their answers are reasonable.

**Calculator use**

Calculators are only to be used where absolutely necessary. Students should be encouraged to try written methods before reverting to a calculator.

Rounding should only be carried out at the final stage of a question to maintain full accuracy. Students should be encouraged to use the 'ans' function of the calculator in order to do this.

**Links to literacy**

Special care should be taken with words that can have more than one reading in English and that the correct meaning is applied. Examples of these- product, difference, mean, average

Word sources should be highlighted so that students can learn the meanings and decode language for themselves. Examples of these- quad, lateral, poly

## **Evaluation**

The numeracy policy will be monitored and reviewed through:

- School development plans
- Lesson observations and learning walks
- Samples of student's work
- Assessment data
- Staff and student voice
- Department and line management meetings

The next evaluation date will be September 2024.