
Kingsbrook School

'A unique service for unique young people'

Numeracy Procedure

Kingsbrook School

Southburgh

Thetford

Norfolk

31st August 2020
Review: 30th August 2021

Numeracy Local Procedure

All pupils at Kingsbrook School have a statement of special educational needs (SEN), or an education, health and care plan (EHC). The SEN/EHC communicates to us that these students have a variety of diagnoses. These include ASD, PDA, ADHD, dyslexia, dyspraxia, anxiety, sensory processing difficulties, language and communication disorders and behaviour difficulties. All programmes of study are carefully planned in order to engage pupils in learning, whilst lowering their anxiety and ensuring there are maximum opportunities for success. These individualised, bespoke programmes may initially start from pupils' own interests, and may incorporate the outdoor environment and work in the wider community.

Rationale

Numeracy is a tool for everyday life. It is the study of relationships and concepts in number, algebra, shape, space, measure and data handling that helps us view and make sense of the world. It is used to analyse and communicate information and ideas and to tackle a range of practical tasks and real life problems.

Aims

The aims of Numeracy are:

- To promote enjoyment and enthusiasm for learning through practical activity, exploration and discussion
- To promote confidence and competence with numbers and the number system
- To develop the ability to solve problems through decision-making and reasoning in a range of contexts;
- To develop a practical understanding of the ways in which information is gathered and presented
- To explore features of shape and space, and develop measuring skills in a range of contexts
- To understand the importance of Numeracy in everyday life
- To promote the development of a range of mental strategies
- To develop an ability to use and apply Numeracy across other curriculum areas and in real life situations

Guidelines

Kingsbrook School uses a range of teaching strategies in order to engage our students in learning and developing mathematical skills. Our principal aim is to develop children's knowledge, skills and understanding in this area of the curriculum, through individualised learning programmes.

- Students may be taught in small groups, but this is likely to be with 1:1 support
- All students will follow an individual, bespoke learning package
- Students will follow either the National Curriculum in Numeracy or an ASDAN Programme of Study in Numeracy and Number Handling Skills.
- Students learning and recording styles will be assessed and this will form the basis of their individual programme

- Where possible, and if the student has difficulty accessing the programme of study, the initial engagement will be via their own interest base

Assessment in Numeracy

- Students' work will be assessed once a term (where appropriate) reflecting each area of Numeracy using 'I Can' Statements taken from the National Curriculum or the ASDAN Programmes of Study.
- Formative assessments will have a target which will be set, with the student, where appropriate on a weekly basis.
- Work will be marked according to the marking policy
- Marking will be done by the teacher and will be moderated with another teacher to ensure consistency.
- Marking should be light touch, meaningful and encouraging and follows the marking policy

Numeracy Interventions

Upon admission as soon as possible a student is provided with a WRAT 4 Assessment to ascertain their functioning age for Maths Computation. From these outcomes, students can be placed onto numeracy interventions to improve their functioning age for maths computation. Interventions form part of the student's maths lessons and comprises of a ten minute activity three times a week. WRAT 4 Assessments are repeated at the start of each term and the effectiveness of the intervention is reviewed, based upon progress made.

Numeracy across the curriculum

Students use Numeracy in all other areas of the curriculum. When this occurs, we need to make it explicit to students and tell them what element(s) of Numeracy they are using. As a school, we aim to employ a continuity of approach, and staff training days will ensure that this is achieved.

Spiritual, moral, social and cultural development

The teaching of Numeracy supports the social development of all our young people through the way we expect them to work with each other in lessons. We group children so that they work together, where possible and we give them the chance to discuss their ideas and results.