Maths Curriculum

Pupils will follow the Maths Curriculum across the school in a way that is appropriate to the learning needs of individual pupils.

Pupils will be exposed to different mathematical concepts throughout the school day as part of their daily routines, e.g. days of the week/ 'now and next'/ one to one correspondence at snack time etc.

Pupils will have the opportunity to experience and develop their skills in practical situations, educational visits, cross curricular opportunities as well as discrete Maths lessons, if appropriate to the needs of the group.

Curriculum Coverage:

The Maths Curriculum is structured in such a way that there is a coverage of the different Units of Work throughout the academic year.

The different Units of Work will be taught as either discrete Maths lessons or through cross-curricular links with different subject areas in the different Bases across school.

Units of Work are adapted from Routes for Learning, National Curriculum Programs of Study and the National Centre for Excellence in the Teaching of Mathematics.

Planning:

Schemes of work have been adapted and developed by school staff from Routes for Learning, National Curriculum Programs of Study, National Centre for Excellence in the Teaching of Mathematics and external accreditation (functional skills)

Annual plan for upcoming academic year drafted in June. Annual plan builds on previous academic years' work, by looking at the levels for each pupil on progression maps and ensures that there is coverage of all mathematical strands appropriate to the individual needs of each pupil through practical situations, educational visits, cross curricular opportunities as well as discrete Maths lessons.

Half termly medium-term planning, by base staff teaching teams, will identify the learning intentions for mathematical strand for that half term. The writing of intentions is informed from levels on progression maps.

Weekly differentiated planning for lesson content, this includes discrete lessons as well as cross curricular links and identifies learning outcomes for all ability groups

Teachers will produce Medium Term Plans for their class by looking at the Curriculum Coverage Document to ensure each strand of Maths is covered during the academic year.

Depending on the Base in school and the pathway that pupils are on this will either be planning for cross curricular opportunities (highlighted on Medium Term Plans and other subject plans to show how Maths intentions are being met) or as discrete lessons using the Curriculum Coverage and Progression Maps to inform planning.

Progression Maps:

Each Unit of Work has a Progression Map for teachers to use to help inform planning of activities to ensure that the needs of each individual pupil are being met and every pupil is able to make progress. These Progression Maps are adapted from Routes for Learning, National Curriculum Standards, up to Level 2 and extension activities at Level 3, and standards from the National Centre for Excellence in the Teaching of Mathematics.

Progression Maps can be used to group pupils and set clear and consistent learning intentions on Medium Term Planning.

There is no expectation that pupils will move up a group at the end of an academic year, however, that they have the opportunity to repeat and become secure in the skills at their level.

The first lesson for each new Unit of Work can be used as an assessment by looking at the group that the pupil was previously in for that particular strand to ensure that pupils have the opportunity to develop/secure/increase independence/advance in their skills.

Pre-formal learners (Level 1 – Level 2)

Informal learners (Level 3 – Level 4)

Semi-formal learners (Level 5 – Level 8)

Formal learners (Level 9 – Level 12 & Extension)

*All Progression Maps adapted from Routes for Learning, National Curriculum Standards and NCETM website, a resource listed in the latest OFSTED report. This is also where you will find the links for Suggested Resources at the bottom of each Progression Map.

There are lots of useful resources and lesson ideas on this website for you to access. https://www.ncetm.org.uk/