

SERVICES FOR SCHOOLS

Hampshire Mathematics Assessment Materials

Notes for Guidance

July 2015

Contents

Phased Assessment Materials	Page 1
Key Performance Indicator Tracking Spreadsheets	Page 2
Assessment Tracking Spreadsheets	Page 3
HIAS Mathematics Team Additional Guidance	Page 4

Phased Assessment Materials

1. Each year group from year 1 to year 6 has a separate phased assessment document.
2. Each document contains the whole of the year group's curriculum content, organised into phases, in line with the Hampshire Assessment Model.
3. NAHT Key Performance Indicators (KPIs) are written in bold italic text.
4. National curriculum statements are ***end of year expectations***. To ensure that these are achieved, two points must be considered:
 - a. 'Routine' and 'non- routine' problem solving along with 'fluency in the fundamentals' are two of the three aims of the curriculum and therefore all assessment judgements should bear this context in mind
 - b. Some curriculum statements require a series of sub-skills to be taught in order for the knowledge, skills or understanding to be fully acquired. Earlier phased content is usually essential to secure understanding and skills in later phases
5. The phasing of the National Curriculum statements is provided as a suggestion to support schools to identify the knowledge, skills and understanding which will be assessed at key points within the academic year. It is not the only way that each year group's content could be assessed.
6. This is not the teaching schedule. For example an assessment focus on mental strategies should not imply that pupils would not be developing recording strategies.

Key Performance Indicator Tracking Spreadsheets

1. This resource is intended as a tool to support transitional assessment and discussion between teachers.
2. This resource does not present the assessment of the whole curriculum but contains the National Association of Head Teachers (NAHT) Key Performance Indicators (KPIs).
3. A child cannot be judged to have secured the knowledge, skills and understanding for their year group from these measures alone.
4. These are seen as a useful end of year performance benchmark to identify the key areas which have been secured or which require focus at the start of the forthcoming year.

Assessment Tracking Spreadsheets

1. This resource contains every National Curriculum statement collated according to the suggested phases within each domain of mathematics for each specific year group.
2. It is not suggested that this resource be used to assess every objective for every child.
3. This resource is more suited for periodic, detailed assessment of children whom are not judged to be achieving age-related expectations. By using the resource, teachers will be able to identify the key elements within the domains which have yet to be secured by the child.
4. It is planned that this information could then be used to shape the teacher's subsequent actions and interventions in order to enable the child to secure these aspects promptly.
5. This resource could also be used for periodic, standardisation of assessments made by separate teachers:
 - a. At each assessment milestone and at the end of the year, work samples and the detailed spreadsheet can be compared to ensure teachers' judgments and expectations are aligned.
 - b. These samples would then form the basis for an in-school 'standards file' which could be referred to in subsequent years or compared with other schools across the county



HIAS Mathematics Team Additional Guidance

The mathematics team will continue to work with mathematics managers through county Core Provision meetings and working with groups of teachers to develop planning and assessment documents, guidance and practise in key stage 1 and 2.

The Hampshire mathematics team also recommends the use of the National Centre for Excellence in the Teaching of Mathematics website (NCETM) <https://www.ncetm.org.uk/> for exemplification of standards and progression through key stage 1, 2 and 3.

The NCETM will also be publishing a range of assessment tasks for key stage 1 and 2. These are expected to be available by September 2015.

Further planning and assessment documents developed through working with groups of mathematics managers and teachers can be found on the Hampshire mathematics model used in conjunction with Core Provision meetings

2016 Key stage 1 mathematics: sample test materials, mark schemes and test administration instructions

DfE website: 29 June 2015

<https://www.gov.uk/government/publications/2016-key-stage-1-mathematics-sample-test-materials-mark-schemes-and-test-administration-instruction>

Detail:

These materials are designed to give teachers an indication of how the new curriculum will be assessed from 2016. It reflects areas of the curriculum that have changed so the questions may be unfamiliar or more challenging.



[2016 sample KS1 mathematics Paper 1: arithmetic](#)

Ref: ISBN 978-1-78315-732-7, STA/15/7314/e
PDF, 617KB, 20 pages



[2016 sample KS1 mathematics Paper 2: reasoning](#)

Ref: ISBN 978-1-78315-733-4, STA/15/7315/e
PDF, 4.14MB, 28 pages



[2016 sample KS1 mathematics Paper 1 arithmetic: instructions](#)

Ref: ISBN 978-1-78315-896-6, STA/15/7355/PKc
PDF, 138KB, 4 pages



[2016 sample KS1 mathematics Paper 2 reasoning: instructions](#)

Ref: ISBN 978-1-78315-897-3, STA/15/7356/PKc
PDF, 152KB, 6 pages



[2016 sample KS1 mathematics: mark schemes](#)

Ref: ISBN 978-1-78315-818-8, STA/15/7333/e
PDF, 3.68MB, 26 pages



2016 key stage 2 mathematics: sample test materials, mark schemes and test administration instructions

DfE website: 29 June 2015

<https://www.gov.uk/government/publications/2016-key-stage-2-mathematics-sample-test-materials-mark-schemes-and-test-administration-instructions>

Detail:

These materials are designed to give teachers an indication of how the new curriculum will be assessed from 2016. It reflects areas of the curriculum that have changed so the questions may be unfamiliar or more challenging.



[2016 sample KS2 mathematics Paper 2: reasoning](#)

Ref: ISBN 978-1-78315-741-9, STA/15/7323/e
PDF, 722KB, 24 pages



[2016 sample KS2 mathematics Paper 3: reasoning](#)

Ref: ISBN 978-1-78315-742-6, STA/15/7324/e
PDF, 1.47MB, 24 pages



[2016 sample KS2 mathematics Paper 1: arithmetic instructions](#)

Ref: ISBN 978-1-78315-889-8, STA/15/7348/PK_e
PDF, 140KB, 4 pages



[2016 sample KS2 mathematics Paper 2: reasoning instructions](#)

Ref: ISBN 978-1-78315-890-4, STA/15/7349/PK_e
PDF, 141KB, 4 pages



[2016 sample KS2 mathematics Paper 3: reasoning instructions](#)

Ref: ISBN 978-1-78315-891-1, STA/15/7350/PK_e
PDF, 141KB, 4 pages



[2016 sample KS2 mathematics: mark schemes](#)

Ref: ISBN 978-1-78315-820-1, STA/15/7335/e
PDF, 1.09MB, 32 pages



Scaled Scores

DfE website: 7 July 2015

<https://www.gov.uk/scaled-scores>

Detail:

Information for headteachers, teachers, governors and local authorities about scaled scores and the national standard from 2016.

