# National curriculum

## Important features in NC features in Numbershark

### National Curriculum

The Numbershark course *Nat. Curriculum 2014 England:numeracy KS1-2* supports the numeracy work for KS1 and KS2.

Set 1 in Numbershark corresponds to Year 1 (age 5-6) and so forth.

The topics are graded under each green sub-heading and are presented in the order needed to be worked on. The recommended games for each topic will aid understanding as well as provide practice, and are presented in the order to play them (though not rigidly).

The Numbershark *Worded problems* course also follows the same format (Set 1 for Year 1 etc). It can usefully complement the number work for each year group in the National Curriculum. The problems are all pre-recorded.

Higher and lower achievers can be catered for by setting work in an earlier set or a later set (i.e. for a different year group). Alternatively you can select topics from the other courses which may have further topics from which to choose.

For more information on how to address certain concepts see the PDF 'FOR SCHOOLS – educational tips' in the section **'Making the most of Numbershark'.**

### KS1

**Year 1**

The topics, with recommended games, address the properties of numbers up to 20, and simple operations using these; the understanding of place value, using numbers to 100; counting, in different amounts; the concept of fractions, starting with a half and a quarter.
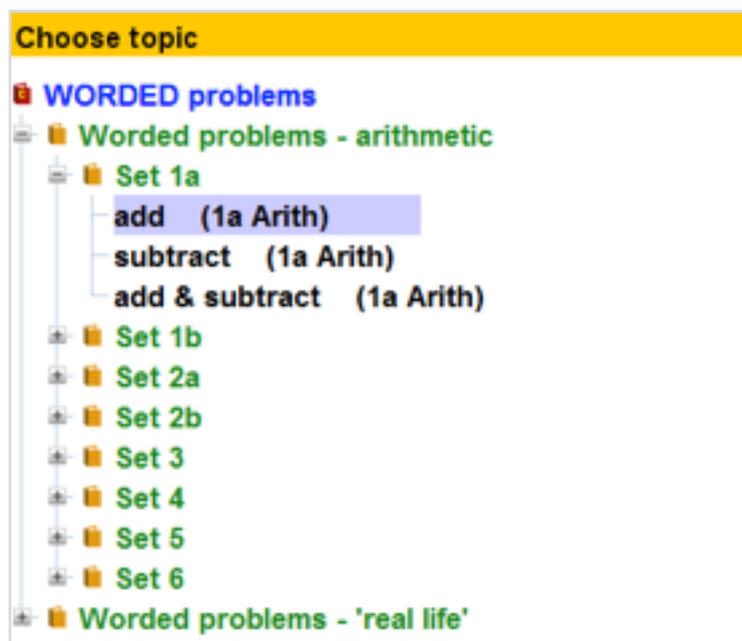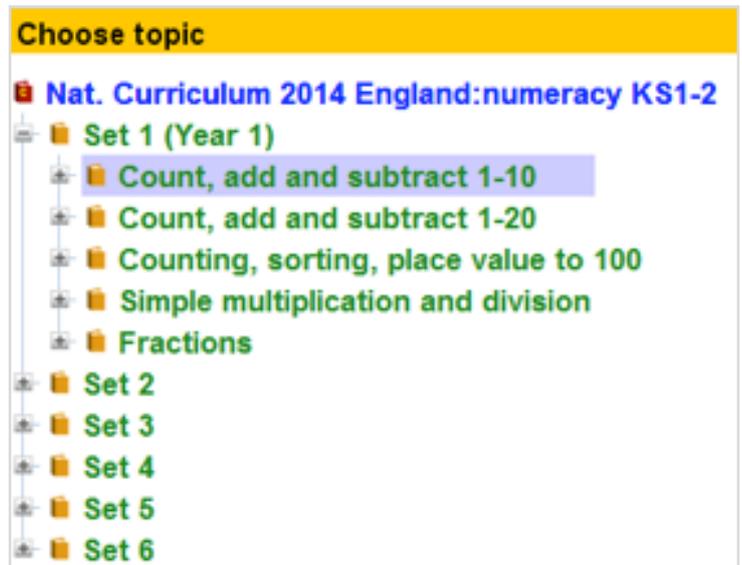
**Year 2**

The topics, with recommended games, build on the work in Year 1, extending the numbers used.

### KS2

Years 3 to 6 involve: mental and written methods for addition and subtraction, with increasingly big numbers; a mastery of table facts, to x12; division facts, relating to table facts; basic use of fractions and decimals; simple percentages; negative numbers, to -10; formal written methods for long multiplication and division.

The variety of games addresses the different aspects of the 4 operations and the mental methods that are useful.

**Choose topic**

Nat. Curriculum 2014 England:numeracy KS1-2
- Set 1 (Year 1)
  - Count, add and subtract 1-10
  - Count, add and subtract 1-20
  - Counting, sorting, place value to 100
  - Simple multiplication and division
  - Fractions
- Set 2
- Set 3
- Set 4
- Set 5
- Set 6

**Choose topic**

WORDED problems
- Worded problems - arithmetic
  - Set 1a
    - add    (1a Arith)
    - subtract    (1a Arith)
    - add & subtract    (1a Arith)
  - Set 1b
  - Set 2a
  - Set 2b
  - Set 3
  - Set 4
  - Set 5
  - Set 6
- Worded problems - 'real life'

Worded problems put the above into an everyday context of what might be met in the real world, and practise maths vocabulary.
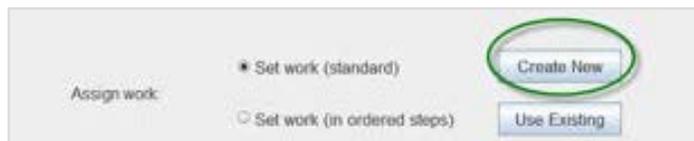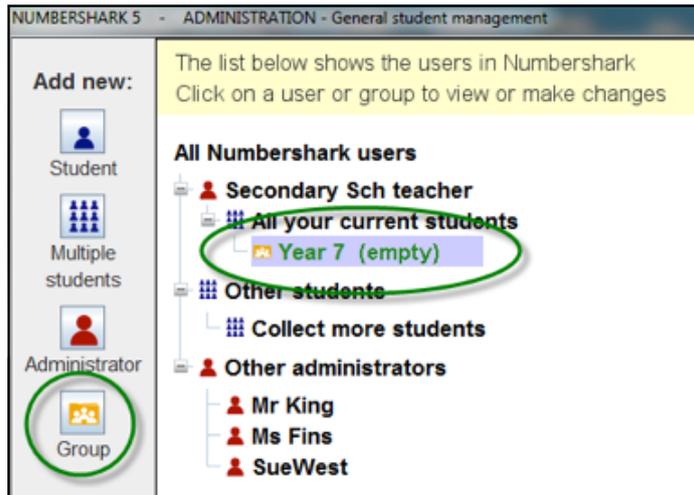
## KS3 revision

Although the Numbershark National Curriculum course stops at KS2, its content is a foundation for all KS3 work, and will be appropriate as revision.
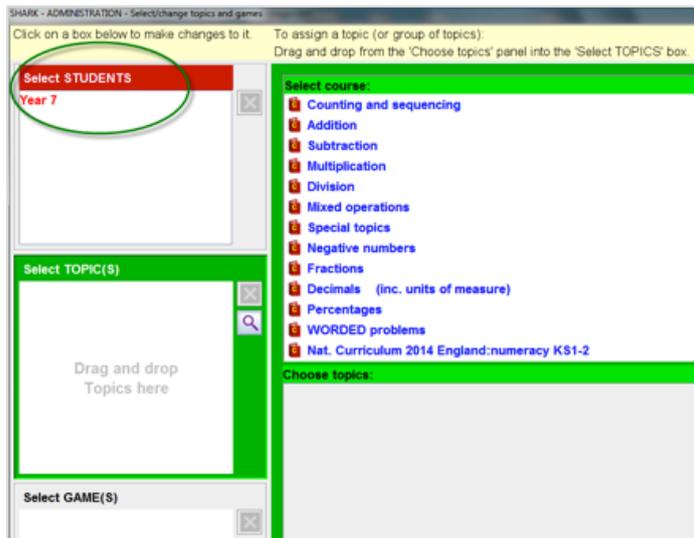
You could set work under *Admin\manage students and staff*. For more information, see the PDFs in the section **'Setting work for Students (specifying games/topics/settings)'** and the PDFs in the section **'Setting up user accounts at school and home'.**

An example would be to:

- create a group called *year 7 revision*
- drag the appropriate year 7 students into this group (tick the *move students* box to do this)

- click on *Create New* for *Set work (standard)*

- check your *year 7* group is in the student box

- click on the green topics box
- open up the National Curriculum course
- drag the whole of *Set 6* into the topics box

If you wish them to be moved along automatically you should select *Automatic progression*.

You can then select the games box and drag the games which you consider appropriate to the age of your students – or leave it as the default of *All games* – and let them decide.

This will give a 'mini course' for your students to work from when they sign on. If you do not set *Automatic progression* they will need to click on the forward arrow to move to each new topic when ready. When you monitor their progress you will see their strengths and weaknesses.

In the case of **SEN**, earlier sets may well be appropriate.

**Alternatively you can 'dip into' the individual topics under all the blue course headings as appropriate.**