INSPIRE MATHS

Inspire Maths Progression Charts

The *Inspire Maths* progression charts have been designed for teachers to track the progression of key concepts across *Inspire Maths* 1 to 6 in the following topics:

- Addition and Subtraction
- Multiplication and Division
- Fractions, Percentages and Decimals

Using these charts, you can gain an overview of when key concepts are introduced in the *Inspire Maths* books, and be able to track how the concepts progress through *Inspire Maths* from unit to unit and through Pupil Textbooks 1 to 6. This can be used to inform your planning, as well as your school's calculation policy.

Inspire Maths develops firm foundations and builds on concepts and skills within a spiral curriculum. It is important to note the systematic development of skills and concepts within each unit and how this progresses through each *Inspire Maths* Pupil Textbook to avoid gaps developing in children's understanding. Where relevant, these charts detail small progressive steps within a unit. For example:

***Numbers to 40*: TG1B Unit 12 p59**

- *TU ± U – no regrouping*
- *TU ± tens – no regrouping*
- *TU ± TU – no regrouping*
- *TU ± U – regrouping*
- *TU ± TU – regrouping ones*

The learning detailed in the progression charts directs teachers to the relevant unit and page in the *Inspire Maths* Teacher's Guide.

Making connections within mathematics is key to developing deeper understanding. Children must link to their previous learning and apply the skills they have learnt to solve problems leading to mastery. The blue font in the charts indicates where there are opportunities to apply skills learnt in another unit. For example, in the topic Addition and Subtraction:

Money (2): TG1B Unit 19 p252

- *Adding and subtracting in pence*
- *Adding and subtracting in pounds*

These charts summarise the main learning for each concept – more detail of what is included in each unit can be found in the long-term plan at the front of each Teacher's Guide, or in the medium-term plan at the front of each unit in the Teacher's Guide.

The *Inspire Maths* programme is designed around the C-P-A approach (Concrete-Pictorial-Abstract), so you should use different types of concrete equipment when introducing concepts. The amount of time children need to progress from concrete to abstract understanding may vary, and they might move between the pictorial and the concrete in order to clarify and refine their understanding, before eventually moving to an abstract representation.