

Subject Overview – 2022/23 – Layton Primary School

At Layton, we believe that learning takes place over time, resulting in a change in long term memory from Unconsciously incompetent to Unconsciously competent, and involves forgetting, revising, consolidating, extending and applying knowledge in a variety of contexts. To do this, children need to think deeply and critically about subject matter and engage with difficult concepts. Learning is, and should be, hard.

Impact

Our children can develop arguments, prove and justify using mathematical language.

Implementation

Multi-objective approach to enable children to make links

Concrete, pictorial and abstract (CPA)

Use of ICT to enhance learning

Dialogical teaching (ABC etc.)

Numeracy Intent

Our high quality maths curriculum provides every child with the ability to think and reason mathematically; solve problems in real life contexts and develop a genuine appreciation for the subject.

Vocabulary - maths dictionary

- Consistency - Read, spell and pronounce maths vocabulary
- Apply to a context and explain

Number

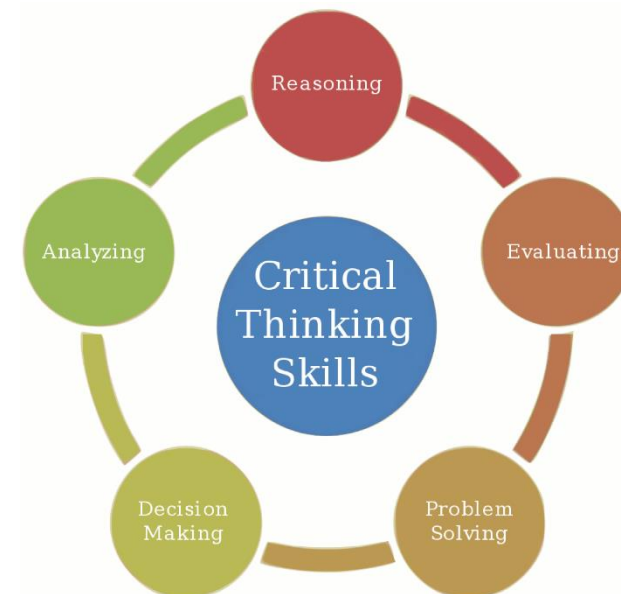
- 4 operations - Place value - Fractions, decimals and percentages

Measurement

- Time - Money - Mass, volume, length, height, temperature - Area, perimeter and volume - Conversion

Statistics

- Gathering information - Analysing - Interpreting



Year 6 2

- Ratio and proportion – Algebra

Geometry

- 2D and 3D shapes - Properties of shapes - Position and direction

Assessment for learning

Effective feedback that moves the learning forward

High expectations of learners

Sequential planning

Our children can apply their mathematical skills both inside and outside of school.

Evident through:

- Walkthroughs
- Book looks
- Summative assessment
- Pupil interviews
- Feedback

Passionate and impactful Maths leaders

Critical thinking

Low stakes, high frequency quizzes

Cross curricular links

Staff training

Clear lesson structure (mental, main, exit)

Everyone should be following the calculation policy

Our children think critically and mathematically to problem solve and seek solutions.