

What Matters?

Exploring & Investigating

AoLE MATHS & NUMERACY Mathematical Development

Playing & Deducing

**12
Pedagogical Principles**

MATHS & NUMERACY – AoLE

- Inclusive – concept driven by experiences based on developmental/emotional stage of child
- Empowers teachers creativity.
- Cross Curricular - Meets the 4 purposes and comprises the other 7 AOLE's

4 WIDER SKILLS

- Critical Thinking & Problem Solving
- Planning & Organisation
- Creativity & Innovation
- Personal Effectiveness

FOUNDATION PHASE & KEY STAGE 2 FRAMEWORK

- Very structured
- Concept driven by age not stage
- Prescriptive & rigid framework - doesn't allow for adaptability/creativity
- Subject specific strengths
- Does this allow for ALN children?

Strands

- Developing numerical reasoning
- Number Skills
- Measuring Skills
- Geometry Skills
- Data Skills

Assessments

- Baseline, end of FP & KS2
- Teacher assessments
- National Reading & Numeracy



5 MATHEMATICAL PROFICIENCIES:

- Conceptual Understanding
- Communicating with Symbols
- Strategic Competence
- Fluency
- Logical Reasoning

ASSESMENTS

- Personalised Assessments
- Literacy, Numeracy Framework (LNF)
- Progression Steps – 5, 8, 11, 14 & 16yrs

Ambitious, capable learners:

- Logical Reasoning
- Investigating Concepts
- Justifying & Proving Findings

Enterprising, creative contributors:

- Experimenting
- Play
- Risk
- Creativity

FOUR PURPOSES

Ethical, informed citizens:

- Social
- Political
- Economical
- Environmental

Healthy, confident individuals:

- Personal Finance
- Critical Consumers
- Data Interpretation
- Risk Assessment