



Teaching and Learning Approach - Mathematics



Five a day:

Using either misconceptions from the weekly arithmetic papers or from misconceptions that have occurred during the week.

Flashback Four:

Children to complete four questions based on prior learning. Children are assessed and fed back to.

Teaching: Fluency:

Before formal teaching, an assessment takes place to ascertain children's understanding of the topic. Fluency allows for teacher to model the skill that is expected of the children and the children to practise before applying it.

Teaching: Reasoning:

Applying fluency skills to deeper children's understanding. Explicit explanations to show that the children understand the concept and can articulate their reasoning.

Teaching: Problem Solving:

Allows children to apply the skills they have mastered in different contexts using multi-step problems.

Investigation:

Allows children to use all their fluency, reasoning and problem solving skills in an investigative way – can be done independently or collaboratively.