



# LEARNING MATHS @ TOOT HILL SCHOOL



**Thinking mathematically...**  
Spot patterns, apply logic, investigate, apply mathematical processes

<b>FIRST FIVE</b>	<p>Arrive on time to lessons and be ready to learn with your equipment on desks. You need to write the date and title and begin the activity on the board.</p> <p>The learning activity might be retrieval questions, a hook or the teacher might share the bigger picture.</p>
<b>NEW LEARNING</b>	Your teacher will introduce a new Mathematical concept to you and they will show how it links to prior learning and will model how to do it.
<b>DO IT!</b>	Your teacher will check your understanding by giving you some fluency questions to practice so you can apply your knowledge.
<b>TWIST IT!</b>	Your teacher will be even more ambitious and create further challenges relating to the new concept. You may try unusual questions and problems and demonstrate that you have a deeper understanding of the concept.
<b>MIX IT!</b>	This is when your teacher will allow you to practice retrieval of topics you have previously studied. You will have to use your short and long term memory to remember specific concepts and methods.
<b>SOLVE IT!</b>	Your teacher will present you with complex multi-step problems and longer investigative tasks that allow you to demonstrate that you can solve problems.

**Reasoning**  
Think\pair\share, explain and justify, probing questions, discuss, deepen understanding