Peruse the following *iMaths 7 Investigation Overview* document for a 'snapshot' of every Investigation in the year.

<table>
<thead>
<tr>
<th>Investigation</th>
<th>About the Investigation</th>
<th>Duration</th>
<th>Group size</th>
<th>Students will need</th>
<th>Ideal for …</th>
<th>Related learning area</th>
<th>ACARA Sub-strands</th>
</tr>
</thead>
</table>
| Investigation 1 | How mean are you?       | 5 to 6 weeks (including Topics) | 2 to 3 students | • internet access  
• BLM 1.1 – Class data table  
• calculator  
• ruler  
• tape measure  
• scales  
• measuring cups and jugs  
• stopwatch  
• trundle wheel | Helping students get to know each other at the start if the year. | Science, HPE | • Real numbers  
• Data representation and interpretation |
| Investigation 2 | YouCube houses          | 6 to 7 weeks (including Topics) | individuals | • BLMs 2.1–2.5  
• unifix, multilink cubes or MAB  
• sticky tape, Blu-Tack and toothpicks  
• calculator  
• computer | Any construction/renovation work going on locally. | English, Geography, The Arts, Technologies, Civics and Citizenship, Economics and Business | • Real numbers  
• Patterns and algebra  
• Using units of measurement  
• Shape |
| Investigation 3 | A weighty problem        | 5 to 6 weeks (including Topics) | 2 to 3 students | • BLM 3.1 – Centimetre grid paper  
• calculator  
• bucket of sand  
• kitchen scales  
• scissors  
• adhesive tape  
• thick cardboard  
• graph paper or computer with graphing software | | | • Linear and non-linear relationships  
• Patterns and algebra  
• Number and place value |
| Investigation 4 | It's a toss-up!          | 5 to 6 weeks (including Topics) | 2 to 3 students | • Data page 1 – How to play Flip Two  
• Tear-out 2 – Flip Two and Flip Three  
• calculator  
• counters with different coloured sides (preferably red and black)  
• internet access | | Science | • Real numbers  
• Chance |