### Activity 4 Planning for Improvement

<table>
<thead>
<tr>
<th>Aspects of effective teaching and learning to improve learners’ skills</th>
<th>Ideas to improve learning and teaching in my school, establishment or learning community...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variety of <strong>teaching approaches</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Balance</strong> of individualised and collaborative <strong>tasks</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Range of resources</strong> tailored to meet learner’s needs</td>
<td></td>
</tr>
<tr>
<td><strong>Active and exploratory learning</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Collaborative learning:</strong> <strong>explaining thinking and presenting strategies</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Linking learning:</strong> making connections between numeracy organisers, experiences and outcomes</td>
<td></td>
</tr>
<tr>
<td>Contextualised learning: experiences are relevant and real, cross curricular contexts</td>
<td></td>
</tr>
<tr>
<td>Numeracy experiences are <strong>appropriately matched to learners’ needs</strong></td>
<td></td>
</tr>
</tbody>
</table>
Reflect on the suggested strategies for improving learning in numeracy and share good practice that you use or you have seen.
Aspects of effective teaching and learning to improve skills

- Variety of teaching approaches
- Balance of individualised and collaborative tasks
- Range of resources tailored to learner's needs
- Active and exploratory learning
- Numeracy experiences are appropriately matched to learners' needs
- Contextualised learning: experiences are relevant and real, cross curricular contexts
- Linking learning: making connections between numeracy organisers
- Collaborative learning: explaining thinking, presenting strategies

Collaborative strategies such as “Think, pair, share”

Structure of lessons determined by AifL e.g. traffic lighting

Using Bloom’s taxonomy to develop questioning

Making/using decimal models

Planning with other departments e.g. St Matthew’s art project related to scale

Earlston NAR example – “Which Container” investigation

Number lines: introducing fractions, reading scales, creating graphs, estimation and rounding

Using apps for PE to look at heart rates, training zones, pacing

Looking at making links when planning eg arrays for multiplication, fractions, square numbers

Financial education e.g. mobile phone deals

Sharing with pupils the importance of process

Technology e.g. Manga High online activities, BBC class clips

Outdoor Learning e.g. making a water clock to measure time

Rekenrek to teach number bonds

Number lines: introducing fractions, reading scales, creating graphs, estimation and rounding

Activity 4-exemplars

Some examples of strategies and resources collated from information shared by practitioners.