

## Assessment Tools and Strategies

Assessment Principle	Suggested Tool/Strategy
<u>Improving quality of questions/quality of talk</u>	<ul style="list-style-type: none"> <li>• <a href="#">Ask the audience</a></li> <li>• <a href="#">Basketball not ping-pong</a></li> <li>• <a href="#">Big questions</a></li> <li>• <a href="#">Choice of answers</a></li> <li>• <a href="#">Concept cartoons</a></li> <li>• <a href="#">Collaboration in formulating questions</a></li> <li>• <a href="#">Increase thinking time</a></li> <li>• <a href="#">Learners set questions</a></li> <li>• <a href="#">Phone a friend</a></li> <li>• <a href="#">Question walls/Question trees</a></li> <li>• <a href="#">Random partners/random learner to answer question</a></li> <li>• <a href="#">Think-pair-share</a></li> </ul>
<u>Formative feedback</u>	<ul style="list-style-type: none"> <li>• <a href="#">Allow time – acting on feedback there and then</a></li> <li>• <a href="#">‘Closing the gap’ comments</a></li> <li>• <a href="#">Instant feedback</a></li> <li>• <a href="#">Mini-whiteboards</a></li> <li>• <a href="#">MKO</a></li> <li>• <a href="#">Next steps showing how to improve</a></li> <li>• <a href="#">Self-marking</a></li> <li>• <a href="#">Temporary comments</a></li> <li>• <a href="#">Thumbs up, thumbs down</a></li> <li>• <a href="#">Two or three stars and a wish</a></li> <li>• <a href="#">Tickled pink/green for growth</a></li> <li>• <a href="#">Traffic lighting</a></li> </ul>
<u>Peer- and Self-assessment</u>	<ul style="list-style-type: none"> <li>• <a href="#">Learning logs</a></li> <li>• <a href="#">Peer marking</a></li> <li>• <a href="#">Sticky Note challenge</a></li> <li>• <a href="#">Self-marking</a></li> <li>• <a href="#">Success book</a></li> <li>• <a href="#">Talk partners</a></li> <li>• <a href="#">Thumbs up, thumbs down</a></li> <li>• <a href="#">Tickled pink/green for growth</a></li> <li>• <a href="#">Traffic lighting</a></li> <li>• <a href="#">Writing journals</a></li> </ul>

- Improving quality of questions/quality of talk

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Suggested Tool/Strategy	What is it?
Ask the Audience  <a href="#">Back to top</a>	If a learner is asked to answer a question and appears to be struggling, they/the teacher can suggest ‘asking the audience’ or nominating a helper. This can take pressure away from a learner who might otherwise feel stressed, but allows the teacher to feel more confident about involving all learners in answering questions.
Basketball Not Ping-Pong  <a href="#">Back to top</a>	Involving more than one learner in answering each question. If a teacher immediately evaluates one learner’s answer, other learners have no incentive to listen or think. However, if a second learner is asked the same question, a third/fourth can be asked to evaluate which answer they think is more effective, keeping all learners actively engaged.  The aim should be to extend the <i>thinking and learning sequences</i> in lessons, and to keep all learners actively engaged in thinking and learning.
Big Questions  <a href="#">Back to top</a>	Posing ‘big’, open questions and problem-solving tasks, allowing plenty of time for thinking or researching either as individuals or as groups. This can lead to a greater depth of understanding and therefore a higher level response. For example ‘ <i>How can we separate salt from water?</i> ’, ‘ <i>Why do you think George Orwell wrote Animal Farm?</i> ’, ‘ <i>How many ways can you think of to make ten?</i> ’ Even a seemingly closed question such as ‘ <i>When did the Second World War start?</i> ’ can be a big question if the origins are probed.
Choice of Answers  <a href="#">Back to top</a>	Give learners a choice between different possible answers and ask them to vote on the options. This is a very powerful tool as the fear of failure is removed because learners are agreeing with another person’s ideas, therefore they do not have to formulate their own idea and risk fear of rejection by peers. This works especially well in the form of a <a href="#">Concept Cartoon</a> where learners can select a cartoon character that they most agree with.
Concept Cartoons	Explores learners’ misconceptions in science, math, English; commercially available; originally written by Stuart Naylor and Brenda Keogh. Each cartoon represents one ‘solution’ to a scientific or other problem. Learners choose/discuss which

cartoon most closely matches their own solution. Learners are usually intrigued by the different possibilities, and it takes away the 'fear of failure' for many reluctant learners. The teacher and class can then discuss and explore alternative opinions.

What factors affect how quickly sugar will dissolve?

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Collaboration in Formulating Questions

Teachers/Learners generate and use powerful questions to encourage deeper thought and exploration. Formulating 'good' questions that elicit thinking and how to word them is not always easy. 'Good' questions need to be an integral part of a lesson plan. Collaboration between teachers, either in the same subject area or across subject areas, saves everybody time and effort. A bank of 'effective' questions can be built up over time. It is important that both learners and teachers understand the type of question being asked and a suitable response structure. Learners can be encouraged to think about what makes a high order question, for example by generating questions on a topic (e.g. using **KWHL**\*) and deciding which of their questions is the most powerful.

**KWHL**

What do I Know?	What do I Want to	How am I going to find	What have I Learned?
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		know?	out? How did I learn it?	
	<p>The following box gives some general questioning strategies which have been found to be very successful in promoting assessment for learning and extending learner thinking. If groups of learners have access to some of these strategies, small group talk can become significantly more effective.</p>			
	<div style="border: 2px solid black; padding: 10px;"> <p><b>Ask ‘follow ups’:</b> “Why?” “Do you agree?” “Can you elaborate?” “Tell me more?” “Can you give an example?”</p> <p><b>Withhold judgment:</b> Respond to learners in a non-evaluative fashion.</p> <p><b>Ask for a summary to promote active listening:</b> “Could you please summarize Jane’s point?”</p> <p><b>Survey the class:</b> “How many people agree with the author’s point of view?”</p> <p><b>Allow for learner calling:</b> “John, will you please call on someone else to respond?”</p> <p><b>Play devil’s advocate:</b> Push learners to define their reasoning against different points of view.</p> <p><b>Ask learners to ‘unpack their thinking’:</b> “Describe how you arrived at your answer.”</p> <p><b>Call on learners randomly:</b> Avoid the pattern of only calling on those learners with raised hands.</p> <p><b>Encourage learner questioning:</b> Allow learners to develop their own questions.</p> <p><b>Cue learner responses:</b> “There is not a single correct answer for this question.”, “I’d like you to consider alternatives.”</p> <p><b>Ask “Why?”:</b> “Why do you think that?”, “Why did you use that method?”, “Why might that be the case?”</p> </div> <p><a href="#">Back to top</a></p>			
Increase Thinking Time	<p>Increasing ‘thinking time’ for learner response to <b>at least five seconds</b>. This allows learners to answer open questions and not those simply based on recalled facts. Other techniques include: learners recording their ideas on <a href="#">Mini-Whiteboards</a> or paper before displaying their answers; <a href="#">Think-Pair-Share</a>. There may be a perceived tension between <i>pace</i> and <i>allowing time for thought</i>. Giving pairs two minutes to come up with five good</p>			

<a href="#">Back to top</a>	<p>ideas on a mini-whiteboard can allow for both pace and time to think.</p>
<p>Learners Set Questions</p>	<p>Setting questions is a high level skill. It involves learners in deciding the task, but also highlights misconceptions quickly. Learners often set impossible questions, or do not provide sufficient information for the task to be done. Any mark schemes or success criteria they create are often not directly related to the questions they set. By practicing this skill, they learn how to interpret questions and work out what sort of answer is being sought by the questioner. This exercise takes time as they find it hard.</p> <p>It can be done by asking pairs to write three questions, with a mark scheme/success criteria on the back of each one. When they've finished, they pass their questions on to another pair. Finding faults with each other's questions generates good discussion between pairs.</p> <p>If pairs/groups set questions for another pair/group, there is a strong motivation to ask good questions which really challenge the other learners. However, if the challenge is too hard, they can be asked to answer their own question.</p>
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<p>Phone a Friend</p>	<p>Ask learners to generate questions. For example, learners are arranged in groups and asked to write five questions they do not know the answers to about a particular topic being taught. Each group selects one question from their list. This is read out and given to the next group. The next group reads out their question, which is given to another group until all groups have a question. The groups are then given a set amount of time to find out, discuss and then present their answer to the whole class. The teacher leads discussion where and when appropriate. <a href="#">Ask the Audience</a> can also work very well with younger learners.</p>
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<p>Question Walls/Question Trees</p>	<p>Often used in conjunction with other strategies such as <a href="#">KWL/KWHL</a>, <a href="#">Sticky Note Challenge</a>, etc. Learners are invited to write down/say out loud the one question they would most like answered about the current topic/wider issues. These questions, for example on sticky notes, are placed on the question wall in logical groupings, and form the basis of at least some part of the class's ongoing enquiry into that topic. Some teachers extend</p>



<p>'Closing the Gap' Comments</p> <p><a href="#">Back to top</a></p>	<p>Whatever the task, feedback should first focus on the learning objective of the task and the agreed success criteria. The emphasis when marking should be on both success against the learning objective and improvement needs against the success criteria. Focused comments are used to help the learner in 'closing the gap' between what they have achieved and what they could have achieved. The feedback provides a negotiated next step. Useful '<b>closing the gap</b>' comments are:</p> <ul style="list-style-type: none"> <li>● <b>Reminder prompt</b> ('How could you describe the building?')</li> <li>● <b>Scaffolded prompt</b> ('What was Mike's response to the argument?'; 'She was so annoyed that...'; 'Describe how Mike's body language changed because of the argument.')</li> <li>● <b>Example prompt</b> ('Choose one of these or your own: He was so angry he was fit to burst/his face turned an angry red/he was fuming.')</li> </ul> <p>'Closing the gap' should not imply that the teacher has a fixed concept of the ceiling of possible achievement – where the 'gap' ends. Teachers may prefer to use the term 'Raising the bar'. The aim is for learners to feel the intrinsic reward of regular incremental improvement and success, even if each increment is small.</p>
<p>Instant Feedback</p> <p><a href="#">Back to top</a></p>	<p>Feedback should be as immediate to the task as possible. It should also be related to the learning intention and any associated generated success criteria, otherwise learners' expectations will be that the learning intention is of secondary importance to other issues, e.g. spelling, presentation etc. The use of peer- and self-assessment can help to make feedback immediate.</p> <p>However, there will be some occasions when spelling and presentation are included in the success criteria. The idea of ongoing 'maintenance criteria' to cover punctuation, spelling, grammar, etc. alongside task specific criteria is effective in supporting learners' understanding of quality.</p>
<p>Mini-Whiteboards</p>	<p>The use of mini write on/wipe off whiteboards – either as individuals or as groups so that learners can display their answers; allows all learners to make a contribution. The teacher</p>

	<p>can select a few to read aloud, or quickly identify a wrong answer which it would be useful to explore.</p> <p>Some teachers use laminated letter size card, perhaps with red one side and green the other side. If learners are confident of their answer, they write on the green side; if they are in some doubt, they write on the red side. This lowers any stress they feel about getting the answer wrong. Tentative talk is often necessary when learners are feeling their way into a new understanding, and this is a good way to encourage learners to explore their tentative ideas.</p>
<p><a href="#">Back to top</a></p> <p>MKO (More Knowledgeable Other)</p>	<p>The teacher or a learner selects a classmate who is good at explaining a particular topic. This MKO (More Knowledgeable Other) acts as a peer tutor, helping their partner work through problems by giving hints and instructions (scaffolding). Over time, pupils can discover which MKO in the class (or elsewhere) is most helpful for a particular skill area. Links well with <a href="#">Ask the Audience/Phone a Friend</a> (can be used if a pupil shows red when <a href="#">Traffic Lighting</a>).</p> <p>Ideally teachers should try to ensure that all learners are seen by their peers as the expert communicator in at least one skill area.</p>
<p><a href="#">Back to top</a></p> <p>Next Steps Showing How to Improve</p>	<p>Learners are given a next step by the teacher or a peer, but more importantly are shown <b>how</b> to reach the next step. Teachers/learners then check that the next steps have been reached. The next step could be the 'wish' of <a href="#">Two/Three Stars and a Wish</a>. The feedback becomes formative when the next step has been reached.</p> <p>It is usually helpful if the next step comment starts with an imperative such as: <i>Add, Change, Explain, Include, Leave out, Move, Place, Show, Tell...</i>, and goes on to give very specific advice – although not usually giving the 'answer' directly.</p>
<p><a href="#">Back to top</a></p> <p>Self-Marking</p>	<p>Learners mark their own work using their own success criteria or mark schemes. It is most effective if learners have had a hand in the development of the success criteria or even developed their own mark scheme and compared this with the published version. This allows learners to understand the assessment procedure and look for ways to improve the existing and future work. At its</p>





<p><a href="#">Back to top</a></p>	<p>processes.</p> <p>This method can be a useful way of beginning to explore metacognition, and in preparation for self and peer assessment and other assessment for learning principles.</p>
<p>Peer Marking</p> <p><a href="#">Back to top</a></p>	<p>Learners mark or comment on others' work. Can be very effective after group or individual presentations, especially if the success criteria are clear and have been discussed before the work begins.</p> <p>Teachers use a variety of approaches, including pairs of learners writing some text, for example, and another pair peer-assessing it against agreed and shared success criteria. The two pairs then explain their evaluations, and suggest one specific improvement. The original pair then make at least one specific improvement.</p>
<p>Sticky Note Challenge</p> <p><a href="#">Back to top</a></p>	<p>Groups, pairs, individuals evaluate their learning. For example, one of the questions: "<i>What have I learned?</i>", "<i>How did I learn this?</i>", "<i>What I found easy/difficult...</i>", "<i>What do I need to do next?</i>" is answered on a sticky note and then shared with another group or the rest of the class. This technique focuses on thinking about learning, and encourages learners to think towards their next steps.</p>
<p>Self-Marking</p> <p><a href="#">Back to top</a></p>	<p>See the <a href="#">Formative Feedback</a> table</p>
<p>Success Book</p>	<p>A small exercise book that can be used to record and build upon generic success criteria. The learner determines success criteria for a task, for example '<i>What makes a good poem?</i>'. As the task progresses, the learner maintains a focus on his/her success criteria and modifies them or adds new ones. Learners can share their success criteria at any point with other learners to help them refine them. Their own success criteria can also be used by others to assess the learner's poem, and the learner can then review the success criteria again. If learners maintain a selection of generic success criteria in the book, they could cover a wide variety of tasks from writing poems to letters to writing up a scientific enquiry, to drawing a graph, etc. When the learner next writes a poem, he/she has a ready-made list of success criteria as a starting point. In some variations, groups or classes have maintained success books, adding to these as appropriate so</p>

