

Accelerating Skills Resource 6c: SAFMEDS numeracy strategy (KS2 parental support project)

Accelerating Skills Resource 6d: SAFMEDS numeracy strategy Packs/Quizizz app (KS2-3)

What are Resources 6c and 6d and how do they work?

Resources 6c and 6d are designed to support primary and secondary schools to deliver high quality numeracy intervention in school and at home. It is designed for schools who have previously implemented SAFMEDS and/or new schools that wish to use the strategy.

SAFMEDS (Say All Fast Minute Every Day Shuffled) is an evidence-based teaching strategy designed to help pupils improve their fluency and progress in mathematics.

SAFMEDS can be used by schools:

- To improve the mathematics attainment of pupils identified as not making age appropriate progress.
- To enable targeted pupils to access all areas of the curriculum through improvement in mathematics and numeracy skills
- To promote the use of evidence-based interventions to raise standards in mathematics and numeracy (cf. Sutton Trust).
- To provide a high quality, cost effective, individualised and frequent assessment.

Resource 6c has been produced to support parents/guardians to deliver **SAFMEDS at home**. The user guides and online videos have been carefully designed to help parents/guardians deliver the programme at home without the need for support from the school.

There are two parts to **Resource 6d**: (1) new SAFMEDS flashcards; and (2) helping pupils use SAFMEDS online (Quizizz).

1. New SAFMEDS flashcards

New bilingual SAFMEDS flashcards support fluency in specific key skills, for learners in primary and/or secondary school. The flashcards cover:

- Number recognition
- Place Value
- Number bonds
- Addition
- Subtraction
- Multiplication
- Division
- Scales
- Time
- Money
- Rounding

	 <p>Copi o SAFMEDS List of packs_FINAL.ç</p> <p>Further information regarding skills development:</p> <p>2. Using SAFMEDS online with Quizizz and Quizizz app We have uploaded packs of SAFMEDS flashcards onto the Quizizz website: https://quizizz.com/</p> <p>Pupils can access packs on an online learning platform called Quizizz. Quizizz is free, and we have uploaded materials covering the same topics listed above onto the online platform that can be accessed from any computer or tablet with reliable internet connection. We have also created complementary how-to guides and videos to help learners apply the SAFMEDS strategy to the flashcard function on the Quizizz app.</p>
<p>How do we know that Resource 6 will be effective?</p>	<p>SAFMEDS has a sound evidence-base, with a number of controlled studies demonstrating positive outcomes. The School of Psychology at Bangor University has been piloting SAFMEDS with schools in North Wales over recent years, with encouraging findings indicating the programme helps children improve their basic mathematics skills. These studies also show that the retention of these skills is good.</p> <p>Some of the research work in North Wales studies have been published in peer reviewed research journals and have focused not only on the outcomes of SAFMEDS, but also on the key factors that lead to it being successfully implemented across typical school settings in North Wales.</p> <p>Hunter, S. H., Beverley, M., Parkinson, J., & Hughes, J. C. (2016). Increasing high school students' maths skills with the use of SAFMEDS class-wide. <i>European Journal of Behavior Analysis</i>, 17(2), 154-165.</p> <p>Beverley, M., Hughes, J. C., & Hastings, R. P. (2016). Using SAFMEDS to assist language learners to acquire second-language vocabulary. <i>European Journal of Behavior Analysis</i>, 17(2), 131-141.</p> <p>Hughes, J. C., Beverley, M., & Whitehead, J. (2007). Using precision teaching to increase the fluency of word reading with problem readers. <i>European Journal of Behavior Analysis</i>, 8(2), 221-238.</p>
<p>How will schools be able to use Resource 6?</p>	<p>SAFMEDS strategy can be delivered by teaching assistants to small groups, whole class intervention or peer-led sessions. Typically, pupils receive three 20 minute sessions per week in school. Schools can use the flashcards or online Quizizz resource accessing the programme via a tablet or laptop computer to deliver sessions.</p> <p>Resource 6c will support parents/guardians to deliver sessions at home, using flashcards, or by printing or creating e.g. using post-it notes, cutting paper or online Quizizz via a tablet or laptop/compute and/or via the Quizizz app.</p>
<p>Which pupils will benefit from these resources?</p>	<p>SAFMEDS will help pupils of any age build fluency in mathematics skills.</p> <p>Any pupil struggling with specific mathematics skills would benefit from SAFMEDS intervention. SAFMEDS does not replace classroom instruction, it helps pupils build fluency in core skills aimed at supporting the classroom teaching. Learners record their scores on tables and plot on the chart, this allows the student and teacher to monitor daily learning and also provides a visual representation of their learning.</p>
<p>How will schools access these resources?</p>	<p>If school is interested in using the SAFMEDS strategy, we will be able to:</p> <ul style="list-style-type: none"> ✓ Provide online training for staff and parents in the set-up and effective implementation of the SAFMEDS strategy

	<ul style="list-style-type: none"> ✓ Provide staff and parents with access to bilingual training materials ✓ Provide access to all bilingual resources via the GwE Support Centre website (Accelerating Skills - Teaching and Learning Strategies): <p style="text-align: center;">https://sites.google.com/hwbcymru.net/ccg-gsc/cc-gwe-sc</p>
What will schools need to contribute?	<p>For SAFMEDS to run effectively, there are important school contributions as follows:</p> <ul style="list-style-type: none"> - Identify pupils who are struggling to acquire basic numeracy skills - Identify a minimum of one or two teaching assistants (more for larger numbers of children) to receive implementation training - Ensure that the trained TAs have sufficient time to devote for supporting the pupils.
What is the cost per school?	<p>There is no cost for school to access the training and materials from GwE or Bangor University.</p>
What happens next?	<p>Details of these resources will be shared with schools via the GwE Bulletin and information is contained on the GwE Support Centre:</p> <p style="text-align: center;">https://sites.google.com/hwbcymru.net/ccg-gsc/cc-gwe-sc</p> <p>If you require more information, please contact our team (information below).</p>

Project Team

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