



Mathematics



Mathematics is foundational to how we understand the world and build a better future.

EDC's Ready Right Now Math (RRN-M) approach helps learners and educators in low-resource settings develop the critical-thinking skills they need to thrive and participate confidently in their communities.

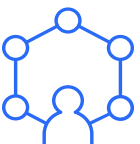
We promote learner-centered strategies that foster higher-order thinking, collaboration, and inclusive participation across a range of educational settings—from pre-primary school to programs for out-of-school youth.

Our purposeful, practical RRN-M mathematics programs focus on problem-solving, integrating number sense, measurement, geometry, spatial thinking, algebraic thinking, and data analysis. Balanced, age-appropriate curriculum; time for practice; and engaging, accessible materials support the development of essential skills. Teachers and volunteer educators receive sustained support to strengthen inclusive learner-centered instruction in environments where all learners feel safe, capable, and engaged—regardless of gender, background, or ability.

Mathematics is a language of logic and reasoning, used to predict and hypothesize, interpret and explain, and describe and clarify. Mathematics skills support the ability to extract meaning from information and to critically evaluate what one reads and hears. RRN-M purposefully connects mathematics, literacy, science, and social science interventions to create learning opportunities that reinforce cross-cutting competencies. RRN-M also fosters social and emotional learning (SEL), helping learners build the confidence to apply their skills in real-world situations.

EDC'S READY RIGHT NOW MATH

- Infuses language, thought, and meaning into mathematics instruction
- Uses open-ended tasks that motivate learners to engage in meaningful problem-solving
- Uses classroom time productively to foster meaningful opportunities for critical thinking
- Deepens learners' and teachers' understanding, appreciation, and enjoyment of mathematics



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RWANDA: LITERACY, LANGUAGE AND LEARNING

Literacy, Language and Learning (L3) linked EDC’s early literacy and mathematics approaches to enrich learning experiences and promote cross-disciplinary integration for grade 1–4 learners. L3 emphasized metacognition, linking oral language, textual analysis, and problem-solving across content areas. Teachers deepened their understanding of numeracy and literacy concepts and how these skills are applied in everyday life. L3 learners demonstrated significant improvement in both literacy and mathematics.



PARAGUAY: TIKICHUELA EARLY MATH

Recognized by the HundrED Initiative as one of the world’s 100 most innovative education programs, Tikichuela blended EDC’s Big Math for Little Kids with interactive audio instruction (IAI). Delivered in both Guaraní and Spanish, the program integrated mother-tongue language development with mathematical thinking in a culturally relevant way. Tikichuela led to higher learning outcomes, helped close the gap between trained and untrained teachers, and continues to deliver strong results for both Guaraní- and Spanish-speaking learners.



MALI: EDUCATION RECOVERY SUPPORT ACTIVITY

In Mali, the Education Recovery Support Activity (ERSA) program dedicated one-third of its curriculum to accelerated mathematics. Daily activities engaged learners in exploring multiple problem-solving strategies, thinking mathematically, collaborating with peers, explaining their reasoning, and identifying patterns and structures. These mathematical practices were intentionally linked to literacy development and to Living Together, a curriculum component that supported social and emotional learning (SEL) and peaceful coexistence.



SOUTH SUDAN: EMPOWERING OUT-OF-SCHOOL YOUTH THROUGH NUMERACY

EDC’s South Sudan foundational numeracy programming equipped out-of-school youth with critical mathematics skills that build a sense of empowerment, independence, and dignity. The program linked content to real-life situations—such as reading medicine labels, filling out forms, handling money, and interpreting public information—ensuring that learning was both relevant and applicable. With strengthened numeracy and problem-solving skills, youth made informed decisions that supported their livelihoods, health, and well-being and contributed to the development of their families and communities.



RRN-M’s real-life problems require learners to analyze situations, build strategies, and justify their thinking. To tackle challenges such as climate change, managing resources at home or school, or addressing problems in their communities, learners need to think carefully, plan their approach, and articulate their ideas.

Whether they are tracking rainfall, planning a school garden, or figuring out how to share resources fairly, RRN-M learners use mathematics to make sense of complex challenges in their communities and the world.

ABOUT EDC

EDC works with partners worldwide to advance every person’s journey to [learn](#), [work](#), and [be well](#). Since 1958, we have been a catalyst for community-led initiatives that promote sustainable change and advance solutions to the world’s most pressing challenges.



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