

IES Practice Guide Recommendations

Assisting Students Struggling with Mathematics: Intervention in the Elementary Grades US Department of Education, Institute of Education Sciences, What Works Clearinghouse

Fuchs, L.S., Newman-Gonchar, R., Schumacher, R., **Dougherty, B.**, Bucka, N., **Karp, K.S.**, Woodward, J., Clarke, B., Jordan, N. C., Gersten, R., Jayanthi, M., Keating, B., and Morgan, S. (2021). ***Assisting Students Struggling with Mathematics: Intervention in the Elementary Grades*** (WWC 2021006). Washington, DC: National Center for Education Evaluation and Regional Assistance (NCEE), Institute of Education Sciences, U.S. Department of Education. Retrieved from <http://whatworks.ed.gov/>

Practice Recommendation	Level of Evidence		
	Minimal	Moderate	Strong
1. Systematic Instruction: Provide systematic instruction during intervention to develop student understanding of <u>mathematical ideas</u> .			✓
2. Mathematical Language: Teach clear and concise mathematical language and support students' use of the language to help students effectively communicate their understanding of <u>mathematical concepts</u> .			✓
3. Representations: Use a well-chosen set of concrete and semi-concrete representations to support students' learning of mathematical concepts and procedures.			✓
4. Number Lines: Use the number line to facilitate the learning of mathematical concepts and procedures, build understanding of grade-level material, and prepare students for advanced mathematics.			✓
5. Word Problems: Provide deliberate instruction on word problems to deepen students' mathematical understanding and support their capacity to apply mathematical ideas.			✓
6. Timed Activities: Regularly include timed activities as one way to build fluency in mathematics.			✓