Math Learning Needs Checklist

A screening tool for school psychologists, math teachers & special educators

Student's Name | Grade / Math Level

Evaluator(s) | Date

Could learning challenges be related to…	Yes	No	Not Sure	N/A
ENGAGEMENT				
1. Physical absence (e.g., missed instruction; absences & tardies)	○	○	○	○
2. Global challenges (e.g., vision, hearing, language, social-emotional, behavior)	○	○	○	○
3. Inattention & off-task (e.g., disengaged from instruction)	○	○	○	○
4. Not doing the work (e.g., classwork, homework, assignments, assessments)	○	○	○	○
CURRICULUM & INSTRUCTION				
5. Pace (e.g, too fast for meaningful learning; too slow for sustained engagement)	○	○	○	○
6. Content (e.g., developmentally too high or low)	○	○	○	○
7. Format (e.g., video, group-based, self-directed)	○	○	○	○
8. Coherence (e.g., unclear learning objectives)	○	○	○	○
SKILL DEVELOPMENT				
9. Prerequisite knowledge (e.g., foundational concepts & skills)	○	○	○	○
10. Conceptual understanding (e.g., missing the WHAT or WHY)	○	○	○	○
11. Procedural skills (e.g., missing the HOW; formulas & algorithms)	○	○	○	○
12. Problem solving (e.g., applying concepts & skills to novel problems)	○	○	○	○
13. Active learning skills (e.g., note-taking, asking questions, studying)	○	○	○	○
CORE CHALLENGES				
14. Calculation (e.g., math fact automaticity & fluency)	○	○	○	○
15. Visual processing (e.g., visual perception, organization, memory)	○	○	○	○
16. Executive functioning (e.g., inhibition, cognitive rigidity, organization)	○	○	○	○
17. Anxiety (e.g., avoidance, freezing, panicking)	○	○	○	○
18. Cognitive overload (e.g., overwhelm, fatigue, shutdown)	○	○	○	○

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