Mastery Learning and Self-Efficacy Intervention Curriculum
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The Mastery Learning and Self-Efficacy Intervention Curriculum targeted low performing 6th grade math students for instruction to improve their academic achievement in mathematics and meet the increased demands of rising performance goals. The Mastery Learning and Self-Efficacy Intervention Curriculum focused on increasing students’ perceived self-efficacy in math, enhancing mathematic performance, and improving metacognitive awareness.

I implemented the Mastery Learning and Self-Efficacy Curriculum over an eight-week period. The Mastery Learning and Self-Efficacy Curriculum incorporated a variety of technology resources including computer-based learning programs, interactive math games, video recordings of students peer teaching, and podcasts. Daily classroom instruction included goal setting, progress monitoring, computer based learning programs, peer tutoring, small group learning, individual instruction, enrichment activities, and metacognitive lessons.

Evaluation methods for the curriculum included pre and post self-efficacy surveys, formative and summative assessments, and reflection questions to monitor metacognitive growth. Final evaluation results revealed that students made growth in all goals areas. The results confirm growth in students’ perceived self-efficacy in math, improved academic performance, and an increase in their metacognitive awareness.