

ID	TOPIC	GRADE & CURRICULUM	NCTM 2000 STANDARDS (Content/Process)	SCHOOL	TEACHERS AND STUDENTS	SETTING & ENVIRONMENT
MA 001	Numbers and operations: Division with remainders	4 Investigations "Arrays and shares" Inv. 3, session 7,8	Number and Operations. Problem solving, Communication	Gerena Magnet Elementary School, Springfield, MA	Nancy Horowitz, School Master Teacher Mary Beth O'Conner, co-teacher 85% minority Open classroom	Urban classroom. The same lesson taught by two different teachers. The same expression $32 \div 8$ yields multiple problems with remainders TBE (Transitional Bilingual Education) issues.
MA 002	Data analysis and probability: Using data to make predictions	5 Every Day Math Lessons 45, 49, 51 Final Project/ Data and Statistics	Data Analysis and Probability Representation Communication Reasoning and Proof	Carolina Forest Elementary School, Myrtle Beach, SC	Kelley Wiltrout, Lead Math Teacher Ronda Singelton 20% minority	Suburban classroom. The same lesson is taught by two different teachers. It is the end of unit project in Data. Sampling and fairness are studied. ADD/ADHD issues.
MA 003	Algebra: pan balance equations	5 Every Day Math Lessons 83-84, Solving Equations, Concrete Variables	Algebra, Problem Solving, Reasoning and Proof, Representation	Kingsley Elementary School, Evanston, IL	Audrey Soglin, District Master Math Teacher 60% minority	Suburban classroom. The class explores concrete representation of equations and operations on equations using pan balances.
MA 004	Geometry: Calculating the area of a triangle	5 Every Day Math Lesson 65-68 Area of a Triangle	Geometry, Measurement, Reasoning and Proof	Orrington Elementary School, Evanston, IL	Noreen Winningham, School Math Lead Teacher 60% minority minority teacher	Suburban classroom. The teacher builds the foundation for the formula for area of a triangle.
MA 005	Numbers and operations: Adding fractions	5 Investigations, Inv. 2, sessions 4,5	Number and Operations, Communication, Representation	Cool Spring Elementary School, Richmond, VA	Teri Donnelly, School Lead Math Teacher 10% minority	Suburban classroom. The class uses manipulatives to explore adding fractions in preparation for "Fraction Tracks" game. G/T grouping, ADD issues.
MA 006	Data analysis and probability: Data sets and measures of center	4 Every Day Math Grade, lessons 15-16	Statistics, Representation, Communications	Columbus Elementary School, Glendale CA	Lala Shahatian Dual case 90% minority, different cultures	Urban classroom with children from six ethnics. TBE Issues. They use NCTM 2000 based report card.

Table 1. The Seeing Math Telecommunications Project – Cases being built along the first year