

Talking Mathematics: Resource Package

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Doing mathematics provides unlimited opportunities for children to communicate their ideas. When students talk about math, they pose questions, take risks, and pursue their own investigations. Teachers who have not experienced 'good' mathematical discourse, however, may find it difficult to encourage it in their classrooms. This resource of videotapes and print materials helps staff developers and college instructors create an environment where teachers do mathematics together and develop excitement about students' mathematical learning and thinking.

The package includes:

Videotape Program

Filmed in elementary classrooms, the program features an introductory videotape; four 20-minute videotapes on important aspects of children's math talk; a collection of six unedited classroom episodes from grades K-6; and a 20-minute summary of a Talking Mathematics teacher seminar.

Talking Mathematics: Resources for Developing Professionals

Contains chapters on mathematical discourse and on planning and sustaining inservice and preservice professional development programs for elementary school math teaching; engaging math problems with lesson plans for facilitators; suggestions for viewing the videotapes; and a resource list.

Talking Mathematics: Supporting Children's Voices

Designed to help preservice and inservice elementary teachers build a culture of mathematical inquiry in the classroom. This book highlights the role of talk in children's mathematics and shows ways to challenge and support children as they do math.

Introductory videotape, Talking Mathematics: Supporting Classroom Discourse

Can be used with teachers, parents, school boards, or community organizations.

