

On This Website...

On this website you will find first an introduction to *Reconceptualizing Mathematics*, developed at San Diego State University by Judith Sowder, Larry Sowder, and Susan Nickerson, published by and available from W. H. Freeman.

Next, we provide video clips showing children reasoning mathematically, together with information on using the clips. They were developed for another project at San Diego State University, *Integrating Mathematics and Pedagogy*, and a selection of six is provided here for use with *Reconceptualizing Mathematics, Part I: Reasoning About Numbers and Quantities*. The video clips are intended to be used together with some background and questions for reflection and discussion, as can be found in Appendix B of *Reconceptualizing Mathematics*. That appendix is copied here, so that the videos can be used by others not using this text.

The *Over and Back Mathworld* was developed by Janet Bowers for use with the *Reconceptualizing Mathematics, Part II: Reasoning About Algebra and Change*. This applet focuses on average rate and can be used independently of this text.

Sketchpad lessons were developed by Janet Bowers of San Diego State for use with *Reconceptualizing Mathematics, Part III: Reasoning About Shapes and Measurement*. They can also be used independently of the text.