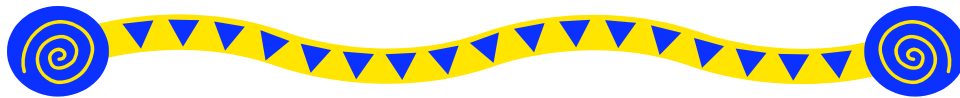




# Balancing the Equation:

## Concept Videos in the Math Classroom

Purpose: To anchor math concepts with video-based mental models. Fall 2003 project was conducted first week of school to provide students with experience video and iMovie. Students were reminded throughout the year about the project and to consider ways to express concepts. Equipment available again in May 2004, to create second set of videos. Project was awarded points equivalent to a two test grades. Students were provided project guidelines.



### Recommendations:

1. Brainstorm topics and review concepts.
2. Assign concepts to groups and avoid repeats.
3. Have students develop a plan before videotaping.
4. Review basics for camera use.
5. No need to rewind, view and reshoot.
6. Remember editing can be done with iMovie.

### Observations:

1. Group dynamics interfered with groups more in Spring than Fall.
2. Pre-plans helped the groups who completed them in detail. After reviewing the Fall videos before the spring shoot, many groups wanted to repeat the best topics.
3. Some groups still “messed around” during video time.
4. Groups who were motivated for extra project points focused on criteria and made sure they added all components.
5. Some groups ran out of time to complete the “math” because they spent too much time collecting information.

*Example: Interviewing & taping 30 students in school to show how to make a graph, but running out of time to make the graph.*