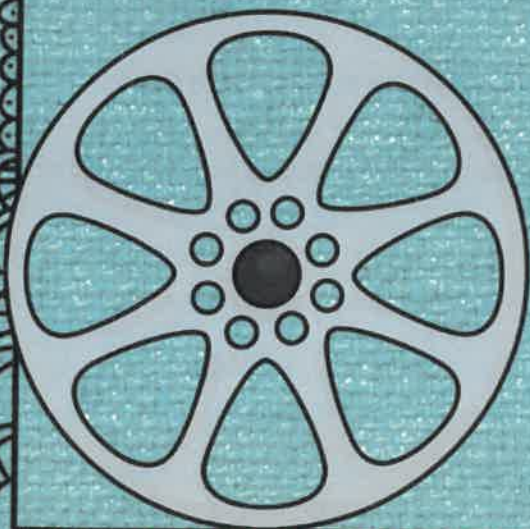
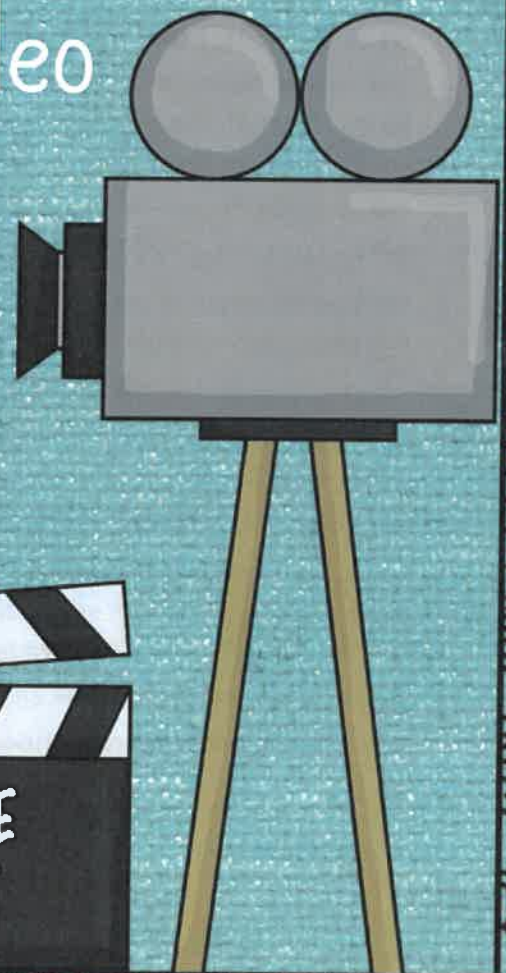


A Math Movie Project

No Fancy Video
Equipment
Required!



Math Movie Lesson Plan

Materials:

- One Cell Phone with Short Movie Recording Capability
- Blank White Paper (six pieces per team)
- Markers/Colored Pencils/Crayons
- Teams of 2-4 Students (pairs recommended for lower grades)
- Projector or Document Camera (to show movies)
- Excellent Movie Making Website to get More Ideas: [Mobile Movie Makers](#)

Lesson Sequence:

1. Tell students they will be creating their very own math movie!
2. Explain that this movie will have six scenes or less.
3. Discuss what a scene is—an act in a movie or play, different pictures or places etc.
4. After the discussion tell students each team will receive six blank pieces of paper to draw/write on for each scene. These pictures will then be recorded using a cell phone video camera. One person from each team will be in charge of flipping through the pieces of paper (scenes) as the teacher records. Another person from the team will be responsible for reading the scenes out loud while the teacher records. Explain that this process will be happening all at once as soon as you hit record, so practice is required before recording!
5. Show the math movie model (on pages 3-8 of this document) to your class. Explain that this is an example of six scenes that could be made into a math movie if we recorded the pages with one person flipping through the pages and another reading. Suggestion: Record the model pages and create a real math movie to show your students!
6. Tell students the movie must only be about 1-2 minutes long with quick changes between each scene.
7. Tell students that teams must fill out a "Math Movie Planning" sheet before they create their scenes on blank white pieces of paper. Emphasize that movie making takes a lot of thought and planning!
8. Put students into their teams.
9. Allow teams time to fill out the "Math Movie Planning Sheet".
10. Have teams show you their "Math Movie Planning Sheet" before you give them their six blank pieces of paper to start working on their final movie scenes.
11. Record movies when students are occupied with another quiet math activity. You could also have a parent volunteer or teacher aid record each team's movie in the hallway or quiet place, so background noise is limited. Another suggestion is to have students/parents/colleagues let you borrow cell phones so the recording process goes faster!
12. Transfer movies from your cell phone to your computer or simply watch them by placing your phone under a document camera (the sound won't be as great as if you use your computer).

Math Movie Planning

Team Member Names: _____

What will you teach? Pick one topic and circle it.

How to work with fractions

How to tell time

How to find a pattern

How to solve an addition problem with carrying

How to solve a word problem

How to measure something

How to solve a subtraction problem with borrowing

How to make a graph

Other Math Idea

Begin planning your movie below:

Scene 1

Scene 2

Scene 3

Scene 4

Scene 5

Scene 6

Math Movie Planning

Team Member Names: _____

What will you teach? Pick one topic and circle it.

How to work with fractions
How to tell time
How to find a pattern

How to solve an addition problem with carrying
How to solve a word problem
How to measure something

How to solve a subtraction problem with borrowing
How to make a graph
Other Math Idea

Begin planning your movie below:

Scene 1

Scene 2

Scene 3

Scene 4

Scene 5

Scene 6

Math Movie Rubric Student Grade

Name: _____

	3	2	1
Team Work	The student did their best to help out and stayed on task during the entire project	The student did their best and stayed on task most of the time	The student had a difficult time agreeing with team or staying on task
Math Movie Planning	The student added ideas to the math movie planning sheet	The student added some ideas to the math movie planning sheet	The student had a hard time adding ideas to the math movie planning sheet
Math Movie	The student was very involved in creating the math movie	The student was somewhat involved in creating the math movie	The student was uninvolved in creating the math movie

Total Points for Student: _____

Math Movie Rubric Team Grade

Names: _____

	3	2	1
Team Work	Each team member helped out and stayed on task during the entire project	Some team members helped out and stayed on task during the entire project	The team had a difficult time agreeing or staying on task
Math Movie Planning	The math movie planning sheet had lots of details that were included in the movie	The math movie planning sheet had some details that were in the movie	The math movie planning sheet was incomplete
Math Movie	The math movie taught the class a math topic in a clear and creative way	The math movie was unclear at times	The math movie was incomplete

Total Points for Team: _____