Flip Book Project – Math & Animation

You will now create a story line that you will be able to tell using simple animation techniques. You will be creating a flip book to tell your story.

Paper Options: 3 x 3 Post - It Notes (or bigger)

Graph Paper

Notecards

Due Dates:

November 21st: Storyboard (a sheet with boxes of sketches of at least 40 frames).

November 24th/25th: Finished product due at the end of class

Requirements:

- The flip book needs to be at least 40 frames.

- The flip book must contain a story

- It must include at least…

  o 3 translations

  o 3 rotations

  o 2 compositions of transformations

  o 1 dilation

- The back of each sheet states what changed from the previous drawing

Flip Book Project Grading Rubric

Flip Book Project	Score:
Name: Hour:	_____/50 pts
Story Board	_____/12 pts
Turned in on time	2
Turned in one day late	1
Turned in more than one day late	0
At least 40 frames	5
30-39 frames	3
20-29 frames	1
<20 frames	0
Maximum Effort (well thought out, cleanly drawn)	5
Average Effort (not well thought out, or messily put together)	3
Little Effort (not well thought out and messily put together)	1
Finished Project	_____/8 pts
Turned in on time	3
Turned in one day late	1
Turned in more than one day late	0
Maximum Effort (carefully drawn and colored, well put together)	5
Average Effort (not carefully drawn or colored, or messily put together)	3
Little Effort (not carefully drawn or and messily put together)	1
Required Elements – 3 translations	_____/10 points
Correct mathematical details of all three translations	10
Incorrect mathematical details for 1 of three translations	7
Incorrect mathematical details for 2 of three translations	5
Incorrect mathematical details for 3 of three translations	3
Did not include mathematical details for translations	0
Required Elements -- 3 Rotations	_____/10 points
Correct mathematical details of all three rotations	10
Incorrect mathematical details for 1 of three rotations	7
Incorrect mathematical details for 2 of three rotations	5
Incorrect mathematical details for 3 of three rotations	3
Did not include mathematical details for rotations	0
Required Elements – 2 composition of transformations	_____/5 points
Correct mathematical details of both compositions	5
Incorrect mathematical details for 1 of two compositions	3
Incorrect mathematical details for 2 of two compositions	1
Did not include mathematical details for compositions	0
Required Elements – 1 dilation	_____/5 points
Correct mathematical details of a dilation	5
Incorrect mathematical details of a dilation	2
Did not include mathematical details for a dilation	0