OGT Portfolio Rubric

You will be creating a portfolio (3-ring binder) to demonstrate your knowledge of the Ohio Content Standards in preparation for the mathematics portion of the OGT. The minimum requirements for this portfolio are listed below. Anything additional will be considered for extra credit. This portfolio is due Tuesday, March 13, 2013.

Minimum requirements:

- 3-ring binder with the following five sections:
    - Patterns, Functions, and Algebra
    - Data Analysis & Probability
    - Geometry
    - Measurement
    - Number Sense
- Separate the sections with dividers (home-made or store-bought)
- Label the sections
- This binder cannot be your Geometry binder. This is a *separate* binder. Please see me immediately if you need help in acquiring a binder.
- You *must* show work or explain your reasoning on *all* problems in *all* sections.
- For the patterns, functions, and algebra section, you should have a minimum of *five* worksheets (or textbook assignments) demonstrating your knowledge of patterns, functions, and algebra. Each assignment should have a minimum of 10 problems. Concept suggestions include distance, midpoint, slope, writing equations of lines, parallel & perpendicular lines, sequences, graphing lines, graphing parabolas, solving equations (linear & quadratic), and properties of exponents.
- For the data analysis & probability section, you should have a minimum of *five* worksheets (or textbook assignments) demonstrating your knowledge of data analysis & statistics. Each assignment should have a minimum of 10 problems. Concept suggestions include mean, median, mode, probability, counting principal, box-and-whisker plots, line graphs, scatterplots, stem and leaf plots, surveys, line of best fit.
- For the Geometry section, you should have a minimum of *three* worksheets or textbook assignments. Each assignment should have a minimum of 10 problems. Concept suggestions include SOHCAHTOA, Pythagorean Theorem, angles in polygons, area, volume, surface area, pyramids, prisms, parallel lines & transversals, and circles (angles).
- For the Measurement section, you should have a minimum of *two* worksheets or textbook assignments. Each assignment should have a minimum of 10 problems. Concept suggestions include measurement conversions, volume, and perimeter.
- For the Number Sense section, you should have a minimum of *two* worksheets or textbook assignments. Each assignment should have a minimum of 10 problems. Concept suggestions include the real number system (rational, irrational, integers, whole, and natural numbers), square roots, and ordering numbers from least to greatest (or vice versa).
- You can find additional problems in our textbook or on our website under the "OGT Resources" tab.
- If you are completing problems out of a textbook, please include the name of the textbook, page, and problem numbers.
- All work included in the portfolio must have been completed *since* January 14, 2013. In other words, you cannot put old work into this portfolio. Be sure to include dates on each assignment.

Ideas to earn extra credit:

- Complete more worksheets/assignments than necessary.
- Attend after-school OGT review sessions. If you do this, *get the instructor to sign a paper* and include this paper in a *separate section* in your portfolio. The dates & times of the after-school OGT review sessions will be posted by mid-February.
- Go to the Math Lab (see the Mrs. Rivero) and work with a Math Lab tutor. *Get the tutor to sign a paper* and include this in a separate section of your binder.
- Find review websites and share them with me so that I can post them on our website. If you do this, please create a separate section in your binder to indicate this.
- Create a screencast-o-matic (or something similar) and email it to me so that I can post it on our website. The screencast should be something relevant to OGT review.
- If you have other ideas for going above-and-beyond, please ask!

Guidelines for getting an adult/upperclassman signature for verification:

On a separate piece of paper, make a table similar to the one shown. Get the adult or upperclassman to sign the paper for you. (You can have as many rows as you need.)

Date	Time	Topic	Signature
2/15	2:45-3:45	Geometry	*Teacher*

This portfolio is a TEST GRADE on the THIRD QUARTER out of 40 points! This will make a HUGE impact on your THIRD QUARTER GRADE. You can earn up to *four* extra credit points but only if you complete the minimum requirements.

Point Breakdown for Minimum Requirements:

Neatness & Organization	6 points (include dates on each assignment & page numbers and textbook name, if appropriate)
Patterns, Functions, and Algebra	10 points (2 points per worksheet)
Data Analysis & Probability	10 points (2 points per worksheet)
Geometry	6 points (2 points per worksheet)
Measurement	4 points (2 points per worksheet)
Number Sense	4 points (2 points per worksheet)