

## 7<sup>th</sup> Grade: Vexillology: You're a Grand Old Flag

### *Flag Design, Proportion, and Geometry*

Due Monday 4/20, in class.

Students will examine flags of countries they are studying in Social Studies (Africa, Middle East, Asia) and make proportional copies of them (flagspot.net is a great resource). They will also create a flag of their own design which includes colors, geometric shapes, and geometric concepts (like symmetry and transformations) to capture their personality.

- Each flag should be created by hand using rulers, protractors, compasses, and the like. The shortest side should be at least 5 inches.
- The flag may be drawn on 8 ½ x 11 copy paper or larger.
- The flag should be colored in as accurately as possible. Use light coloring methods such as colored pencils and crayons.
- Proportions should be accurate (look for “construction sheet” along with your country).
- On a separate sheet of paper, there should be a discussion of the following
  - How you determined the dimensions of your flag and the components of that flag
  - The history of the flags design (color, shapes, figures)
  - A reflection of the project including likes/ dislikes, difficulties

Total points: 50

Category: Possible points	Level 4	Level 3	Level 2	Level 1
Proportional copy of World Flag: 15 pts	The flag requires at least six accurate measurements and is proportional to actual country's flag. Figures and colors are representative (14-15)	The flag requires at least 4 accurate measurements. Has divisions in more than one direction. Is very close to proportional to actual country (12-13 pts)	The flag requires at least 4 accurate measurements. One or two proportions may be off (10-11 pts)	Not a flag of a required country. The flag does not have at least 4 measurements or is not proportional to flag. Not neat. Colors are not accurate. (0-9 pts)
Personal flag : 15 pts (In addition to requirements of World Flag)	Well thought out connections to student's personality. Multiple geometric concepts (14-15)	Accurate. Flag has multiple features related to student. A few geometric concepts (12-13 pts)	Flag has a couple of features related to student. A couple of geometric concepts (10-11 pts)	Colors and features are not related to the student. (0-9 pts)
Reflection: 10 points each flag (20 pts total)	Measurements are explained. Interesting facts about flags colors and figures are provided (9-10 pts)	Almost all measurements are explained. Some facts about flags are provided. 8-9pts	Most measurements explained. Barely any history provided. Legible but not neat. (7-8 pts)	Measurements or facts are not provided (0-6 pts)