QUIZ grade	Unit 12 Conic Project Due Monday May 21st	**Students will recognize, analyze, and graph the equations of the conic sections (parabolas, circles, ellipses, and hyperbolas).**

Choose one conic to create/construct on a flat surface that exist in a real life scenario. If a circle is chosen then two circles must be made and you must mathematically find the intersections between them. The figure has to be at least 10x10. The conic must be larger than 6 inches. It can be square or rectangle shaped surface. You will create the conic using string that should be attached to the center and/or foci. This is the ONLY 3-D part of the graph. The string is circled around the nails/pushpen to emphasize the conic shape. **Points will be deducted for sloppy work, flimsy project, or inaccurate measurements**. You can use but not limited to, foam board, corkboard, wood, Styrofoam (or anything else sturdy). Nails or pushpens work best to create the outer shape/figure. Be creative and make the project **colorful.** Include the equation and other associated characteristics that matches you conic on the back of the board.

Points	**1 Conic**	
15	**Presentation** □ Visually pleasing with string attached to all outside shape and center or foci (only to outside – emphasis conic shape ONLY) □ Appropriate size (At least 10 X 10) and conic is at least 6 inches across and **TITLE PROVIDED!!** □ Equation on a sheet of paper or back of project with all accurate measurements	**Score X 4 =**
8	**Creativity** □ Supplies Used Correctly: wood, corkboard, nails, push pens, string, etc. □ Creativity (Unusual)	**Score X 4 =**
2	**Complexity** Full credit will only be issued to 3-D conic. Make sure the project is not flimsy or sloppy. (Real World Scenario)	**Score X 4 =**
Extra credit can be received with outstanding work and creativity!!!! (up to +5)		
GRADE	**-15 point deduction for EVERY DAY LATE -10 with no rubric**	

Youtube videos could/will be very helpful!!! Think of scenes that are outside the box.