Lesson Plan, **6-9pm, Monday, 22 October, 12018 HE rm. 211**, SDCE, North City Campus
Instructor: Ms. S. D. Jones

In our ***Learning Toolbox***:
San Diego Public Library system
(1. ordering books, 2. InterLibrary Loan, 3. Reference Librarians)

Vocabulary:
Copy into your notes, and ***Mind Map*** each word:

Reading Comp. Vocab.	***Grammar Vocabulary***	***Math Vocabulary***	***Test-taking Skills***
Writing your essay	Introductory paragraph	**Special triangles**	translate words to math
		Iso	Set up the problem
		isosceles	Rename all variables in terms of one variable
		Equi	Isolate one variable
		Equilateral	Gather like terms
		Right angle, r. triangle	Balance the equation

6pm: Spend one minute contemplating nationalism.
Write one or two sentences explaining what you think is another name for an equilateral rectangle.

6:02 Continue on work from your folder (on Reading/Literature/Science/Social Studies).

7pm: Stand up & Stretch, if you wish...
7:00 to 7:15 Work on your Introductory paragraph
7:15 to 7:25 Math lecture, also using this same passage.
7:25-7:30 We will do the first question/problem from **the math** online worksheet together, then you finish the online activities from today's lecture individually on the classroom computers, on your laptop or, on your smart phone.

7pm: work on your Introductory Paragraph for your essay, using your outline and Thesis sentence.

7:15 ***Mathematics***: Three **Interesting kinds of triangles**

What is the number of degrees inside a triangle?
Why: how does it relate to the number of degrees inside a rectangle?

How might the side lengths relate to the angle measures?
What does Tri mean?
Likewise, there are three types of Special Triangles: **Iso, Equi, and Right**

	Two angles are equal	Three angles are equal	No angles are equal
No sides are equal			Scalene
Two or more side lengths are equal	isosceles	Equilateral (60-60-60)	
Special Right triangles	Right isosceles (45-45-**90**)		30-60-**90**

Now let's do the first online math worksheet problem together:
https://www.khanacademy.org/math/basic-geo/basic-geometry-shapes/basic-geo-classifying-triangles/e/recognizing-triangles

7:30 Please do the remainder of online math worksheet on your own:
https://www.khanacademy.org/math/basic-geo/basic-geometry-shapes/basic-geo-classifying-triangles/e/recognizing-triangles

Mathematics work online and/or in books from 7:45 until 8:45.

8:40 ***Exit Questions***: Monday, day 28

1. Write one sentence explaining the difference between an isosceles triangle and an Equilateral triangle.
2. What is a Right triangle?
3. Write 1/5 as a fraction, a decimal, a percent and in exponential form (i.e. 9/10=.9=90%=$9*(10^{-1})$ for example…)
4. Write the square root of 16 as a fractional exponent and in radical form.

8:45 Turn in Exit Slip, Dismissal

# Quantity	Fractional Exponents	Radical form	multiply	exponent	fraction	decimal	percent	*Por Ciento*
8	$(64)^{1/2}$	$\sqrt{64}$	4*2	8^{1}	64/2, 8/1	8.0	800%	800/100
$\mathbf{3^{-1}}$	$(1/9)^{1/2}$	$\sqrt{1/9}$	33/99	$\mathbf{3^{-1}}$	**1/3**	.3333	33%	33/100