Lesson Plan, **6-9pm, Tuesday, 30 October, 12018 HE rm. 211**, SDCE, North City Campus
Instructor: Ms.   S. D. Jones

Where can you find more about the SD Promise Program?

Vocabulary:
Copy into your notes, and **_Mind Map_** each word:

Reading Comp. Vocab.	_Grammar Vocabulary_	_Math Vocabulary_	_Test-taking Skills_
No reading today, to leave more time for math lecture.	**Using commas and conjunctions: connect independent clauses**	**Finding the area of polygons via coordinates**	**Topic: breaking a problem into smaller pieces**
	conjunction	Region	Set up your problem
	Coordinating conjunction	Chop up into distinct pieces (areas)	Number each piece to keep track of progress

6pm: **Write** one or two sentences using any conjunction.

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

7pm: Stand up & Stretch, if you wish...
 7:00 to 7:07   Reading Comprehension
 7:07 to 7:15   Grammar lecture, using the passage below.
 7:15 to 7:25   Math lecture, also using this same passage.
 _7:25-7:30_   We do 1st question/problem from each online worksheet together, then you finish the online activities from all lectures individually on the classroom computers.
Mathematics work online and/or in books from 7:45 until 8:45.

7:00-**7:15**   **Grammar**: _comma and conjunction connect independent clauses_
        Rules:
1.   "The **comma** is always correct when used to **separate** two **independent clauses connected** by a coordinating **conjunction**."
   (http://grammar.ccc.commnet.edu/grammar/conjunctions.htm)
2.
        Use coordinating conjunctions to indicate that the elements they join are equal in importance and in structure.

Definition of Coordinating Conjunctions
Coordinating conjunctions join grammatically similar elements (two nouns, two verbs, two modifiers, two independent clauses):

- and

- or

- nor

- so

- but

- for

- yet

How to punctuate coordinating conjunctions

When a coordinating conjunction joins two independent clauses, a comma is used before the coordinating conjunction (unless the two independent clauses are very short).

> Perhaps no budget is without some fat, but university officials argue that their unique function requires special standards of evaluation.

source: https://writing.wisc.edu/Handbook/CoordConj.html

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Let's do the first question from our grammar activity: https://www.khanacademy.org/humanities/grammar/parts-of-speech-the-preposition-and-the-conjunction/introduction-to-conjunctions/e/coordinating-conjunctions

7:15   Mathematics Topic: **Finding the area of polygons on a coordinate plane (a grid)**

First, let's practice drawing shapes on a grid and finding the area: https://www.khanacademy.org/math/basic-geo/basic-geo-coord-plane/quadrilaterals-on-plane/e/area-and-perimeter-on-the-coordinate-plane

Now, let's draw an irregular polygon and find the area by dividing it up into five separate shapes:

1. Draw a coordinate area going from X = -3 to 3, and Y = -2 to 2
2. Plot points (-3,0), (-1,2), (-3,-1), (-1,-1), (1,1), (1,2), and (3,1)
3. Divide this polygon into five pieces including two triangles, two rectangles and one square.
4. Find the area of each of the five pieces, add them, and explain why A = 11 square units

(Source: p. 161 Master the HiSET, 2nd Ed.)

Now, let's do the online math practice problem together:
https://www.khanacademy.org/math/basic-geo/basic-geo-area-and-perimeter/basic-geo-unit-squares-area/e/measuring-area-with-unit-squares

7:30

      1.) Please do the rest of our online grammar worksheet:
https://www.khanacademy.org/humanities/grammar/parts-of-speech-the-preposition-and-the-conjunction/introduction-to-conjunctions/e/coordinating-conjunctions

and

      2.) Please do the remainder of online math worksheet:
https://www.khanacademy.org/math/basic-geo/basic-geo-area-and-perimeter/basic-geo-unit-squares-area/e/measuring-area-with-unit-squares

Day 33

8:40   *__Exit Questions__*: 1. Please **write** one sentence explaining how you could find the area of an irregular polygon.

                    2. What is a coordinate grid?

8:45   Turn in Exit Slip, Dismissal