Lesson Plan, **6-9pm, Wednesday, 9 January, 2019 HE rm. 211, SDCE, North City Campus**
Instructor: Ms. S. D. Jones

**In our Learning Toolbox:**
Times Tables and the Perfect Squares Diagonal!!

6pm:
**Write** one or two sentences explaining what you think the difference might be between the words *linear* and *line*, and why that might be important in your studies.

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:** Finish your Essay…

**7:15** Mathematics Topic: **Graphing linear inequalities** (Source: P. 99 Common Core Achieve mathematics)

Who can remind us what “increased by 10” means?
How do you represent the phrase “a number” as a mathematical symbol?
What symbol do you use to represent the phrase “is greater than” mathematically?

How would you show the phrase “a number increased by ten is greater than four” as an inequality?
How would you show the phrase “a number increased by ten is greater than four” on a number line?

Now, let’s do some of the online math practice activity together:
https://www.khanacademy.org/math/algebra/one-variable-linear-inequalities/alg1-inequalities/e/inequalities_on_a_number_line
7:30

1.) Please do the rest of our online math worksheet:
https://www.khanacademy.org/math/algebra/one-variable-linear-inequalities/alg1-inequalities/e/inequalities_on_a_number_line

and

2.) Remember to do today’s Exit Ticket in your notebook!

8:40 **Exit Questions:** Wednesday, Day 59

1. What do the words *index* and *coefficient* mean?
2. Fill in all the quantities in the table below in your notebook.

<table>
<thead>
<tr>
<th>#</th>
<th>Quantity</th>
<th>Fractional Exponents</th>
<th>Radical form</th>
<th>multiply</th>
<th>exponent</th>
<th>fraction</th>
<th>decimal</th>
<th>percent</th>
<th>Por Ciento</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>()^{\frac{1}{2}}</td>
<td>√</td>
<td>4*2</td>
<td>8^1</td>
<td>64/2, 8/1</td>
<td>8.0</td>
<td>%</td>
<td>800/100</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>(\frac{1}{3})^{\frac{1}{2}}</td>
<td>√</td>
<td>33*(1/99)</td>
<td>3^1</td>
<td>1/3</td>
<td>.3333</td>
<td>33%</td>
<td>33/100</td>
</tr>
<tr>
<td>One Quarter</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>2</td>
<td>(\frac{1}{6})^{\frac{1}{2}}</td>
<td>√36</td>
<td>3*2</td>
<td>4^1</td>
<td>6/1</td>
<td>.25</td>
<td>%</td>
<td>25/100</td>
</tr>
<tr>
<td>One tenth</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One one hundredth</td>
<td>(1/10000)^{\frac{1}{2}}</td>
<td>√(1/10000)</td>
<td>(1/10)^*(1/10)</td>
<td>100^{-1}</td>
<td>1/1000</td>
<td></td>
<td>10%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8:45 Fill in and show Exit Ticket in your notebook, then get home safely!