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### Logic and Truth Tables

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## Lesson Plan: Logic

You should submit this form in addition to any computer generated files/documents/models to your group folder on Angel. Please create a .zip file and upload the group of files as a single archive.

Name: ljeoma B. Okafor
Grade level(s)/Subject taught: 11 Grade/ Mathematics
<p style="margin-left: 40px;"><b>Objectives:</b> Students should be able to complete a Truth Table.</p> <p style="margin-left: 40px;">Students should be able to write and interpret different types of</p> <p style="margin-left: 40px;">Conditional statements.</p>

Please provide a rich **one-page, single-spaced**, description or a *vision* of your best thinking on a way or ways you might teach the planned lesson. (approximately ½ page for the teacher role, ½ page for the student role). Also, construct a tentative rubric that you might use with your students (see example)

Items to include in your lesson plan: (Choose your discipline/concepts from your own area).

1. *Write the Mathematical Concept or “key idea” that modeling will be used to teach:* (e.g. Students use mathematical modeling/ multiple representation to provide a means of presenting, interpreting, communicating, and connecting mathematical information and relationships)

<p><b>Mathematical Reasoning:</b> Student use mathematical reasoning to analyze mathematical situations to make conjectures, gather evidence, and construct an argument.</p>
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and/or...

- 1b. *Write the Science Concept or “key idea” that modeling will be used to teach:* (e.g. Organisms maintain a dynamic equilibrium that sustains life).



Materials:

“...a rich **one-page, single-spaced**, description or a *vision* of your best thinking...”

Prompts:

1. How will you assess the prior knowledge of the student?
2. How will you begin the lesson?
3. What are the teacher and students doing every 5-10 minutes? (Teacher Actions and Student Actions)
4. How will you assess the learning for the lesson?

**Using \_\_\_\_\_ I plan on having my students...**  
(software / modeling package(s))