

## Quantitative Literacy Evaluation Rubric

**Quantitative Literacy: Graduates can perform mathematical computations, identify and draw inferences from relevant information and represent mathematical information graphically, symbolically, numerically and verbally.**

<b>A. Shows all of the necessary steps to solve the problem.</b>						
<b>Behavior Emerging</b>		<b>Behavior Developing</b>		<b>Behavior Present</b>		
Little or no work is shown.		Steps are not organized well. Some steps are missing.		Steps are complete and fit a logical layout. Work follows the discipline's standards.		
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>N/A</b>

<b>B. Performs computations with appropriate accuracy.</b>						
<b>Behavior Emerging</b>		<b>Behavior Developing</b>		<b>Behavior Present</b>		
Performs frequent calculation and / or careless errors.		Performs infrequent calculation and / or careless errors.		Able to perform calculations with little or no errors.		
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>N/A</b>

<b>C. Uses critical thinking to draw correct inferences from relevant information.</b>						
<b>Behavior Emerging</b>		<b>Behavior Developing</b>		<b>Behavior Present</b>		
Unable to identify relevant information and / or draws incorrect inferences. Answer does not fit with the context of the problem.		Identifies the relevant information, but has trouble drawing correct inferences from it. Answer is incorrect but reasonable.		Identifies the relevant information and draws correct inferences from it.		
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>N/A</b>

<b>D. Models mathematical information graphically or using visual representation.</b>						
<b>Behavior Emerging</b>		<b>Behavior Developing</b>		<b>Behavior Present</b>		
Unable to choose and / or create an appropriate type of model for the given information. Unable to correctly label a given graph.		Makes an appropriate model choice with minimal errors. Labeling of graphs is incomplete.		Models an appropriate model choice. Graph is accurate, labeled and titled.		
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>N/A</b>



OAKLAND COMMUNITY COLLEGE

*Note: This is a college-wide rubric, however, faculty expectations may differ within specific courses. Approved by SOAC May, 2010. Next major review and approval by SOAC May 2013.*

<b>E. Represents mathematical information symbolically and / or numerically.</b>						
<b>Behavior Emerging</b>		<b>Behavior Developing</b>		<b>Behavior Present</b>		
Unable to represent mathematical information symbolically and / or numerically.		Able to represent <b>simple</b> mathematical information symbolically and / or numerically.		Able to represent <b>challenging</b> mathematical information symbolically and / or numerically.		
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>N/A</b>

<b>F. Articulates mathematical information in words.</b>						
<b>Behavior Emerging</b>		<b>Behavior Developing</b>		<b>Behavior Present</b>		
Unable to describe mathematical information in words.		Able to describe <b>simple</b> mathematical information by using content specific vocabulary words.		Able to describe <b>challenging</b> mathematical information by using content specific vocabulary words including units, labels, or in complete sentences.		
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>N/A</b>



OAKLAND COMMUNITY COLLEGE

*Note: This is a college-wide rubric, however, faculty expectations may differ within specific courses. Approved by SOAC May, 2010. Next major review and approval by SOAC May 2013.*