



## Subject-Specific Learning Behaviors Checklist MATHEMATICS

Student's Name: \_\_\_\_\_ Grade: \_\_\_\_\_

School: \_\_\_\_\_ Date: \_\_\_\_\_

**Directions:** This checklist is designed to obtain estimates of a student's learning behaviors in the area of **Mathematics**. Please read each statement carefully and check the degree to which you have observed the behavior.

A. GENERAL CHARACTERISTICS	Consistently	Sometimes	Seldom
<b>1. Curiosity:</b> Asks thoughtful, searching questions; observes, explores, and investigates keenly and alertly in any environment			
<b>2. Reasoning:</b> Attempts to understand difficult material through its component parts; recognizes implied relationships, "the big picture"; sees logic and relevance			
<b>3. Creativity:</b> Gives unusual or clever ideas and solutions; enjoys brain-storming or imagining; demonstrates divergent thinking; seeks creative solutions to problems			
<b>4. Task Commitment:</b> Focuses energy on a particular topic of interest and persists; may resist closure or focus on the "vision" rather than the details of the project			
<b>5. Self-Evaluation:</b> Is critical of own work; strives to improve and refine; seeks suggestions for improvement but may not embrace those that do not fit with personal vision			
B. MATHEMATICS CHARACTERISTICS	Consistently	Sometimes	Seldom
<b>1. Mastery of Operations:</b> Demonstrates proficiency of mathematical operations; needs little or no repetition for skill mastery			
<b>2. Comprehension:</b> Reads mathematics and mathematical symbolism with a high degree of understanding			
<b>3. Problem Solving:</b> Selects and applies appropriate problem-solving strategies; analyzes and communicates one's problem-solving style			
<b>4. Abstract Reasoning:</b> Perceives mathematical patterns and relationships; moves quickly from concrete to abstract			
<b>5. Inquiry:</b> Asks about exceptions to the rule; takes risks; can formulate alternative problem solving strategies or solutions			
<b>6. Application of Technology:</b> Can use and apply mathematical technology appropriately to solve problems			

Teacher's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Please keep a copy for your own records. Place in a sealed envelope and mail or email to the  
QUEST Office: [questbda@gmail.com](mailto:questbda@gmail.com).**