Connecting Waters Charter Schools Algebra 1 Curriculum Checklist

Student Name: _____ **Grade:** _____

Purpose: To assess and evaluate instructional materials to ensure alignment with the California State Academic Content Standards and to determine appropriateness for your student.

Directions: Use the following checklists to help you choose the appropriate curriculum for your student:

General Checklist

- ❑ The curriculum includes a balance of computational and procedural skills, conceptual understanding, and problem-solving skills.

- ❑ The instructional materials address the particular needs of your student, including strategies for English language learners, advanced learners, special education students, or struggling mathematics students.

- ❑ The reading level of the text is appropriate for your child.

- ❑ The concepts are developed using a variety of teaching methods and addressing a variety of learning styles.

- ❑ Abstract concepts are connected to hands-on activities or real-life applications, when possible.

- ❑ The scope and sequence suggests that the instructional material is aligned with the California State Academic Content Standards across grade levels. (See below)

- ❑ If instructional material is not aligned through the levels, then supplemental material are available

Algebra 1 Checklist

The Mathematics curriculum provides explicit, sequential, logical, systematic instruction and support in the following required mathematical areas:

(Details of the content standards can be found at the following link: CA CSS Math-Content Standards.

Domains:

- ❑ The Real Number System (NQ)

- ❑ Quantities (NQ)

- ❑ Seeing Structure in Expression (A)

- ❑ Arithmetic with Polynomials & Rational Expressions (A)

- ❑ Creating Equations (A)

- ❑ Reasoning with Equations & Inequalities (A)

- ❑ Interpreting Functions (F)

- ❑ Building Functions (F)

- ❑ Linear, Quadratic, & Exponential Models (F)

- ❑ Interpreting Categorical & Quantitative Data (SP)

8 Standards for Mathematical Practices (**K-12**):

- ❑ Make sense of problems and persevere in solving them

- ❑ Reason abstractly and quantitatively

- ❑ Construct viable arguments and critique the reasoning of others

- ❑ Model with mathematics

- ❑ Use appropriate tools strategically

- ❑ Attend to precision

- ❑ Look for and make use of structure

- ❑ Look for and express regularity in repeated reasoning

Parent Signature: _____ **Date:** _____