

# Connecting Waters Charter School Algebra 2 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 2 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](#))

<b>Domains:</b>	<b>8 Standards for Mathematical Practices (K-12):</b>
<ul style="list-style-type: none"> <li><input type="checkbox"/> The Complex Number System (NQ)</li> <li><input type="checkbox"/> Seeing Structure in Expression (A)</li> <li><input type="checkbox"/> Arithmetic with Polynomials &amp; Rational Expressions (A)</li> <li><input type="checkbox"/> Creating Equations (A)</li> <li><input type="checkbox"/> Reasoning with Equations &amp; Inequalities (A)</li> <li><input type="checkbox"/> Interpreting Functions (F)</li> <li><input type="checkbox"/> Building Functions (F)</li> <li><input type="checkbox"/> Linear, Quadratic, &amp; Exponential Models (F)</li> <li><input type="checkbox"/> Trigonometric Functions</li> <li><input type="checkbox"/> Expressing Geometric Properties w/ Equations (G)</li> <li><input type="checkbox"/> Interpreting Categorical &amp; Quantitative Data (SP)</li> <li><input type="checkbox"/> Making Inferences and Justifying Conclusions (SP)</li> <li><input type="checkbox"/> Using Probability to Make Decisions (SP)</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Make sense of problems and persevere in solving them</li> <li><input type="checkbox"/> Reason abstractly and quantitatively</li> <li><input type="checkbox"/> Construct viable arguments and critique the reasoning of others</li> <li><input type="checkbox"/> Model with mathematics</li> <li><input type="checkbox"/> Use appropriate tools strategically</li> <li><input type="checkbox"/> Attend to precision</li> <li><input type="checkbox"/> Look for and make use of structure</li> <li><input type="checkbox"/> Look for and express regularity in repeated reasoning</li> </ul>

**Parent Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_