Introduction

This document demonstrates how *Pearson Mathematics: Algebra 2 Common Core, ©2015* aligns with the New York State Mathematics Curriculum Modules for Algebra II Modules from Common Core, Inc. Correlation references are to the pages of the Student and Teacher’s Editions, Concept Bytes, and Learning Resources within the Teacher’s Edition.

*Pearson Mathematics: Algebra 2 Common Core* is not just "aligned" to the Common Core State Standards, it was written specifically for the Common Core State Standards. The program fully addresses the Common Core Content Standards and infuses the Standards for Mathematical Practice throughout every lesson.

*Pearson Mathematics: Algebra 2 Common Core* incorporates a blend of print and digital components to tap into the power of mathematics and mathematical reasoning. The wealth and flexibility of resources will enable you to easily adapt to the changing needs of your classroom.

**Program Features**

- Offers unmatched development of problem solving throughout the entire program with the Solve It, Think-Write Boxes and Know-Need-Plan Boxes, Think About a Plan Worksheets, Performance Tasks, and other features unique to the program.

- Teachers can enrich instruction with interactive lesson content and video that makes real-world connections, and models thinking and reasoning using interactive tools at PowerAlgebra.com and PowerGeometry.com. Students can complete lessons independently and receive immediate feedback using the online content to support in-class instruction.

- Teachers are provided targeted support to ensure successful transition to a Common Core State Standards-based curriculum with resources such as a Common Core Overview and Implementation Guide. All teaching resources are available in one easy to access location in print and online.

This document demonstrates the high degree of success students will achieve by using *Pearson Mathematics: Algebra 2 Common Core.*
### Key

**Number and Quantity And Modeling**

**Geometry And Modeling**

**Algebra and Modeling**

**Statistics and Probability And Modeling**

**Functions And Modeling**

**Major Clusters** – areas of intensive focus, where students need fluent understanding and application of the core concepts (approximately 70%).

**Supporting Clusters** – rethinking and linking areas where some material is covered, but in a way that applies core understandings (approximately 20%).

**Additional Clusters** – expose students to other subjects, though at a distinct, level of depth and intensity (approximately 10%).

*The (+) standards are included in the Algebra II course to provide coherence to the curriculum. They can be used to effectively extend a topic or to introduce a theme/concept that will be fully covered in the Precalculus course.*

### Algebra II Module 1: Polynomial, Rational, and Radical Relationships

**45 days**

<table>
<thead>
<tr>
<th>Topic Pacing</th>
<th>Algebra II Modules from Common Core, Inc.</th>
<th>NY CCLS</th>
<th>Pearson Algebra 2 Common Core ©2015</th>
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<td>4.8: Complex Numbers, 5.5: Theorems About Roots of Polynomial Equations, 5.6: The Fundamental Theorem of Algebra, 7.5: Concept Byte: Using Logarithms for Exponential Models, 8.4: Rational Expressions, 8.5: Adding and Subtracting Rational Expressions, 8.6: Solving Rational Equations</td>
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**Key**

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- **Statistics and Probability And Modeling**
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**Algebra II Module 3: Functions**

- N–RN.1
- N–RN.2
- N–Q.2
- A–SSE.3
- A–SSE.3c
- A–SSE.4
- A–CED.1
- A–REI.11
- F–IF.3
- F–IF.4
- F–IF.6
- F–IF.7
- F–IF.7e
- F–IF.8
- F–IF.8b
- F–IF.9
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- F–BF.1a
- F–BF.1b
- F–BF.2
- F–BF.3
- F–BF.4
- F–BF.4a
- F–LE.2
- F–LE.4
- F–LE.5

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<td><strong>Algebra II Module 4: Inferences and Conclusions from Data</strong></td>
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<th>Review and Examinations</th>
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