

## 2023-2024 Coachella Valley Scope and Sequence: Math III

ANYTHING UNDERLINED IS A LINK!

[Assessment List](#)

MAPS NEEDED TO CREATE GRADE LEVEL TRACKERS

iMath3\_CMap

[Secondary Assessment Calendar](#)

### What Students Learn in High School Math III

Math III students greatly expand the number of types of functions with which they work. They use key features of graphs and data tables to distinguish between polynomial (including linear, quadratic, cubic and quartic), rational, radical, exponential and trigonometric functions. They understand and utilize the idea of transformations to write equations for these types of functions that model real world relationships. Students increase the number of tools they have to solve equations that arise during the use of these functions. They continue to use inverse operations, develop greater fluency with factoring, and learn to use graphical and numerical methods when appropriate. They are introduced to statistical tools that build upon previously learned statistics and probability and that form the foundation of advanced statistical courses.

Unit Numbers and Titles		Pearson	Time	By the end of Math 3...	
<b>Required Diagnostic:</b> <a href="#">i-Ready</a> (Aug 28-Sep 22)					
S e m 1	1. <a href="#">Quadratic Functions, Expressions and Equations</a>	3	4	<p><u>Students should have <b>mastered</b> the following:</u></p> <ul style="list-style-type: none"> <li>● Arithmetic Operations, factoring, solving polynomial equations</li> <li>● Solving linear, quadratic and factorable cubic equations.</li> <li>● Graphing/Transforming/Modeling with linear, quadratic, cubic and exponential functions.</li> </ul> <p><u>Students should be <b>working towards fluency</b> in:</u></p> <ul style="list-style-type: none"> <li>● Solving rational, radical, exponential, and logarithmic equations</li> <li>● One and two variable statistics</li> <li>● Right triangle trigonometry</li> </ul> <p><u>Students should have <b>been introduced to</b>:</u></p> <ul style="list-style-type: none"> <li>● Key features of simple rational, simple radical and log functions</li> <li>● Unit circle with radians,</li> <li>● Trigonometric functions</li> <li>● Logarithmic Functions</li> </ul>	
	2. <a href="#">Polynomial Functions</a>	4	3		
	3. <a href="#">Polynomial Equations</a>	4	3		
	<b>Required Benchmark #1</b> in <a href="#">MasteryConnect</a> (Dec 4- 15) <b>iMath 3_ BM1</b>				
4. <a href="#">Rational And Radical Functions and Equations</a>	5	5			
<b>Required Diagnostic:</b> <a href="#">i-Ready</a> (Jan 8-Feb 2)					
S e m 2	5. <a href="#">Exponential and Logarithmic Functions</a>	7	5		
	6. <a href="#">Right Triangle Trig Review with Extensions to the Unit Circle and Radian Measure</a>	Other + a little 8	3		
	<b>Required Benchmark #2</b> in <a href="#">MasteryConnect</a> (window April 8-19) <b>iMath 3_ BM2</b>				
	<b>CAASPP</b>				1
	7. <a href="#">Probability/Statistics Review: Math 1-3</a>	Other + a little 1	3		
	8. <a href="#">Intro to Trigonometric Functions</a>		3		
<b>Required Diagnostic:</b> <a href="#">i-Ready</a> (May 1-June 11)					