



**Semester: 1**

**2025 – 2026**

Grade Level		10	Subject: Mathematics	
Teacher(s) Name		Mr. Khaled Al Ajami		
Textbook		HMH-Ed-Algebra 2		
Week #	Dates		Lesson Title / Pages	CCSS / NGSS Code / MOE
1	Aug.25 <sup>th</sup>	Aug.29 <sup>th</sup>	Orientation, Grade 9 Revision, Baseline Assessment	
2	Sept. 1 <sup>st</sup>	Sept. 5 <sup>th</sup>	Lesson <u>2.1</u> Use Square Roots to solve Quadratic Equations.	HAS-REI.B.4
3	Sept.8 <sup>th</sup>	Sept.12 <sup>th</sup>	Lesson <u>2.2</u> : Operations with Complex Numbers.	HSN-CN.A.1
4	Sept. 15 <sup>th</sup>	Sept.19 <sup>th</sup>	Lesson <u>2.3</u> : Derive and Apply and Using the Quadratic	HAS-REI.B.4.a
5	Sept.22 <sup>nd</sup>	Sept.26 <sup>th</sup>	Lesson <u>2.4</u> : Solving Quadratic Equations by Completing the Square.	HAS-REI.B.4.b
6	Sept. 29 <sup>th</sup>	Oct.3 <sup>rd</sup>	Lesson <u>2.5</u> : Graphing and Solving Quadratic Functions	HSF-IF.C.7a
7	Oct.6 <sup>th</sup>	Oct.10 <sup>th</sup>	Lesson <u>4.1</u> : Function operations.	HSF-BF.A.1

8	Oct.13 <sup>th</sup>	Oct.17 <sup>th</sup>	<b>Lesson 4.2:</b> Operations with Polynomials.	HSA-APR.A.1
9	Oct.20 <sup>th</sup>	Oct.24 <sup>th</sup> <b>Oct 24 End of Quarter 1</b>	<b>Lesson 4.3:</b> Multiply polynomials.	HSA-APR.A.1
10	Oct.27 <sup>th</sup>	Oct.31 <sup>st</sup>	<b>Lesson 4.4</b> Factor Polynomials.	HSA-SSE.A.2
11	Nov.3 <sup>rd</sup>	Nov.7 <sup>th</sup>	<b>Lesson 4.5</b> Dividing Polynomials.	HSA-APR.B.2
12	Nov.10 <sup>th</sup>	Nov.14 <sup>th</sup>	<b>Lesson 7.3</b> Graph square and Cube root function.	HSF-IF.C.7b
13	Nov.17 <sup>th</sup>	Nov.21 <sup>st</sup>	<b>Lesson 7.1:</b> Inverse functions and function composition.	HSF-BF.B.4
14	Nov. 24 <sup>th</sup>	Nov.28 <sup>th</sup>	<b>Lesson 7.2:</b> Inverse of quadratic and cubic functions.	HSF-BF.B.4b
15	Dec.1 <sup>st</sup>	Dec.5 <sup>th</sup>	<b>Lesson 7.5</b> Solve Radical Equations.	HSA-REI.A.2
16	Jan 5 <sup>th</sup>	Jan 9 <sup>th</sup>	<b>Lesson 15.1:</b> Define and Evaluate the Basic Trigonometric	HSF-BF.A.1
17	Jan 12 <sup>th</sup>	Jan 16 <sup>th</sup>	<b>Lesson 15.2:</b> Angles of Rotation and Radian Measure	HSF-TF.A.2
18	Jan 19 <sup>th</sup>	Jan 23 <sup>rd</sup>	<b>Lesson 15.3:</b> Use a Pythagorean identity	HSF-TF.A.3
19	Jan 26 <sup>th</sup>	Jan 30 <sup>th</sup>	Semester 1 Exams: Jan 22 <sup>nd</sup> to Jan 30 <sup>th</sup>	
Winter Break for Students: Dec 8 to Jan 4				