



**"Empowering Minds, Inspiring Hearts, Shaping the Future"**  
**"تمكين العقول، إلهام القلوب، تشكيل المستقبل"**

**Subject Matter: AP Biology**

**Semester: 2**

**2024 – 2025**

<b>Grade Level</b>	12	<b>Subject: AP Biology</b>		
<b>Teacher(s) Name</b>	Mrs. Halima Issa			
<b>Textbook</b>				
<b>Week #</b>	<b>Dates</b>		<b>Lesson Title / Pages</b>	<b>CCSS / NGSS Code MOE</b>
20	27 Jan	31 Jan	6.1 DNA and RNA Structure 6.2 Replication 6.3 Transcription and RNA Processing	
21	3 Feb	7 Feb	6.4: Translation 6.5 Regulation of Gene Expression.	
22	10 Feb	14 Feb	6.6: Gene Expression and Cell Specialization 6.7 Mutations 6.8 Biotechnology	
23	17 Feb	21 Feb	7.1 Introduction to Natural Selection 7.2 Natural Selection 7.3 Artificial Selection 7.4 Population Genetics	
24	24 Feb	28 Feb	7.5 Hardy-Weinberg Equilibrium 7.6 Evidence of Evolution 7.7 Common Ancestry 7.8 Continuing Evolution	

25	3 Mar	7 Mar	7.9 Phylogeny 7.10 Speciation 7.11 Extinction 7.12 Variations in Population  7.13 Origin of life on Earth	
26	10 Mar	14 Mar	8.1 Responses to the environment 8.2 Energy flow through ecosystem 8.3 population ecology	
27	17 Mar	21 Mar	8.4 Effect of density of population 8.5 Community Ecology 8.6 Biodiversity 8.7 Disruptions to Ecosystem	
28	7 Apr	11 Apr	<b>Extra Week to finalize any gap</b>	
29	14 Apr	18 Apr	<b>Another Extra Week to finalize any gap</b>	
30	21 Apr	25 Apr	<b>Revision and Practice</b>	
31	28 Apr	2 May	<b>Revision and Practice</b>	
32	5 May	9 May	<b>AP BIOLOGY COLLEGE BOARD EXAM May 5<sup>th</sup> 2025</b>	
33	12 May	16 May	<b>Final Exams (Grade 12)</b>	
34	19 May	23 May	<b>Final Exams (Grade 12)</b>	