



Dubai International Private School (AI-Quoz)

DIPS, in partnership with parents and community, strives to ensure all students are digitally literate, lifelong learners, productive citizens and nurture their well-being in an inclusive learning environment.



"Empowering Minds, Inspiring Hearts, Shaping the Future"

"تمكين العقول، إلهام القلوب، تشكيل المستقبل"

Semester: 2

2025 – 2026

Grade Level	Grade 12		Subject: AP Biology	
Teacher(s) Name	Halima Issa			
Textbook	McGraw hill AP biology 14th edition			
Week #	Dates		Lesson Title / Pages	CCSS / NGSS Code / MOE
20	Feb 2 nd	Feb 6 th	6.4: Translation 6.5 Regulation of Gene Expression.	IST-1 Heritable information provides for continuity of life IST-2 Differences in the expression of genes account for some of the phenotypic differences between organisms
21	Feb 9 th	Feb 13 th	6.6: Gene Expression and Cell Specialization 6.7 Mutations 6.8 Biotechnology	IST-4 The processing of genetic information is imperfect and is a source of genetic variation. IST-1

				Heritable information provides for continuity of life.
22	Feb 16 th	Feb 20 th	7.1 Introduction to Natural Selection 7.2 Natural Selection 7.3 Artificial Selection	EVO-1 Evolution is characterized by a change in the genetic makeup of a population over time and is supported by multiple lines of evidence
23	Feb 23 rd	Feb 27 th	7.4 Population Genetics 7.5 Hardy-Weinberg Equilibrium 7.6 Evidence of Evolution	EVO-1 Evolution is characterized by a change in the genetic makeup of a population over time and is supported by multiple lines of evidence
24	Mar 2 nd	Mar 6 th	7.7 Common Ancestry 7.8 Continuing Evolution 7.9 Phylogeny	EVO-2 Describe the fundamental molecular and cellular features shared across all domains of life, which provide evidence of common ancestry. EVO-3 Life continues to evolve within a changing environment
25	Mar 9 th	Mar 13 th	7.10 Speciation 7.11 Extinction	EVO-3

			<p>7.12 Variations in Population</p> <p>7.13 Origin of life on Earth</p>	<p>Life continues to evolve within a changing environment</p> <p>SYI-3</p> <p>Naturally occurring diversity among and between components within biological systems affects interactions with the environment.</p>
26	Mar 30 th	Apr 3 rd	<p>8.1 Responses to the environment</p> <p>8.2 Energy flow through ecosystem</p>	<p>ENE-3</p> <p>Timing and coordination of biological and homeostasis depend on organisms, responding to environmental cues.</p> <p>IST-5</p> <p>Transmission of information results in changes within and between biological systems.</p> <p>ENE-1</p> <p>The highly complex organization of living systems requires constant input of energy and the exchange of macromolecules.</p>
27	Apr 6 th	Apr 10 th	<p>8.3 population ecology</p> <p>8.4 Effect of density of population</p> <p>8.5 Community Ecology</p>	<p>SYI-1</p> <p>Living systems are organized in a hierarchy of structural levels that interact</p> <p>ENE-4</p>

				Communities and ecosystems change on the basis of interactions among populations and disruptions to the environment.
28	Apr 13 th	Apr 17 th End of 3d Quarter	8.6 Biodiversity 8.7 Disruptions to Ecosystem	<p>SYI-3</p> <p>Naturally occurring diversity among and between components within biological systems affects interactions with the environment.</p> <p>EVO-1</p> <p>Evolution is characterized by change in the genetic make-up of a population over time and is supported by multiple lines of evidence.</p> <p>SYI-2</p> <p>Competition and cooperation are important aspects of biological systems.</p>
29	Apr 20 th	Apr 24 th	Extra Week to finalize any gap	
30	Apr 27 th	May 1 st	Revision and Practice	
31	May 4 th	May 8 th	AP BIOLOGY COLLEGE BOARD EXAM May 5 th 2025	
32	May 11 th	May 15 th Grade 12 Final Exams Start May 13		
33	May 18 th	May 22 nd		
34	May 25 th	May 29 th		

35	Jun 1 st	Jun 5 th		
36	Jun 8 th	Jun 12 th	Jun 11 - Jun 22: Final Exams for Grades 4-11.	
37	Jun 15 th	Jun 19 th	Jun 11 - Jun 22: Final Exams for Grades 4-11.	
38	Jun 22 nd	Jun 26 th	Jun 22: Make-up Exam for absent students.	
39	Jun 29 th	Jul 3 rd	June 30 - July 2: Make-up Exam for failing students.	