

SEC 2E SCIENCE (BIOLOGY) CURRICULUM OVERVIEW (SEMESTER 1)

S/N	Time	Assessment	Topics
1	T1W2-6	Bite-sized Quizzes Graded Quiz (T1W5)	Nutrition in Humans <ul style="list-style-type: none"> - Summary about nutrients - Digestive enzymes - Parts of digestive system and function (Specific enzymes not required) - Diffusion and active transport
2	T1W7-10	Bite-sized Quizzes Common Test (T1W7)	Transport in Humans <ul style="list-style-type: none"> - Parts of the circulatory system - Composition and function of blood - Structure and function of blood vessels - Structure and function of heart
3	T2W1-W4	Bite-sized Quizzes	Reproduction in Humans <ul style="list-style-type: none"> - Structure and function in male/female reproductive systems - Puberty in males and females - Sexually transmitted diseases: AIDs - Temporary and permanent birth control methods
4	T2W5-W6		Revision
5	T2W7-W8	Mid-Year Examinations	

Topics to be tested

Test/Exams	Topics tested
Common Test	Digestive system and Transport in Humans
Mid-Year Exams	All topics

*This will be the curriculum overview unless changes are specified by subject teachers.

Hand-on Activities Practicals

Topics	Hand-on Activities / Practicals
Nutrition in Humans	Practical - Food tests - Test for starch - Test for reducing sugar - Test for proteins - Test for fats Hands-on - Digestive system simulation Groupwork – A food journey
Transport in Humans	Practical - Microscopy on blood cells Group work – Research on diseases related to the circulatory system. Relate the effects of the various diseases on the body.
Reproduction in Humans	Group work - Comic reflection on AIDs

SEC 2 Express/Normal (Academic) LSS PHYSICS 2018

Week	Topic	Assessment
Term 1		
2 to 3	Unit 1: Measurement	
4 to 6	Unit 2: Kinematics	Graded Quiz 1 (Week 5)
7 to 8	Unit 3: Mass, Weight and Density	Common Test 1 (Week 7)
9 to 10	Unit 4: Forces	
Term 2		
1 to 3	Unit 5: Turning Effect of Forces	
4 to 5	Unit 6: Electromagnetic Spectrum	Graded Quiz 2 (Week 4)
6	Revision for Mid-year Examination	
7 to 8	Mid-year Examination	
9 to 10	Performance Task	
Term 3		
1 to 3	Unit 7: Energy, Work and Power	
4 to 5	Unit 8a: Light – Reflection	Graded Quiz 3 (Week 5)
6 to 8	Unit 8b: Light – Refraction	Common Test 2 (Week 7)
9 to 10	Performance Task Presentation	
Term 4		
1 to 3	Revision	
4 to 5	End-of-Year Examination	

Bite-sized quizzes will be conducted for all the topics.

SEC 2NA SCIENCE (BIOLOGY) CURRICULUM OVERVIEW (SEMESTER 1)

S/N	Time	Assessment	Topics
1	T1W2-6	Bite-sized Quizzes Graded Quiz (T1W5)	Nutrition in Humans <ul style="list-style-type: none"> - Summary about nutrients - Digestive enzymes - Parts of digestive system and function (Specific enzymes not required) - Diffusion
2	T1W7-10	Bite-sized Quizzes Common Test (T1W7)	Transport in Humans <ul style="list-style-type: none"> - Parts of the circulatory system - Composition and function of blood (only plasma and red blood cells) - Structure and function of blood vessels - Structure and function of heart
3	T2W1-W4	Bite-sized Quizzes	Reproduction in Humans <ul style="list-style-type: none"> - Structure and function in male/female reproductive systems - Puberty in males and females - Sexually transmitted diseases: AIDs - Temporary and permanent birth control methods
4	T2W5-W6		Revision
5	T2W7-W8	Mid-Year Examinations	

Topics to be tested

Test/Exams	Topics tested
Common Test	Digestive system and Transport in Humans
Mid-Year Exams	All topics

*This will be the curriculum overview unless changes are specified by subject teachers.

Hand-on Activities Practicals

Topics	Hand-on Activities / Practicals
Nutrition in Humans	Practical - Food tests - Test for starch - Test for reducing sugar - Test for proteins - Test for fats Hands-on - Digestive system simulation Groupwork – A food journey
Transport in Humans	Practical - Microscopy on blood cells Group work – Research on diseases related to the circulatory system. Relate the effects of the various diseases on the body.
Reproduction in Humans	Group work - Comic reflection on AIDs

2NT Science Syllabus T

CURRICULUM OVERVIEW 2018

S/N	TIME	ASSESSMENT	TOPIC
1	T1W2-3	QUIZ	Chapter 9: Cells as the Basic Units of Life
2	T1W4-6 T1 W8-10	QUIZ	Chapter 10: Getting Energy And Nutrients From Food
3	T1W7	COMMON TEST 1 Monday 12 Feb	Chapter 9: Cells as the Basic Units of Life Chapter 10: Getting Energy And Nutrients From Food
4	T2W1-5	QUIZ	Chapter 11: Human Reproduction
5	T2W6-7	-	Revision for MYE
6	T2W8	Mid Year Exams	Chapter 9: Cells as the Basic Units of Life Chapter 10: Getting Energy And Nutrients From Food Chapter 11: Human Reproduction
7	T3W1-3	QUIZ	Chapter 12: Taking Good Care of My Body
8	T3W4-6	QUIZ	Chapter 4: Investigating Electricity (Revision)
9	T3W4-8	QUIZ	Chapter 9: Cells as the Basic Units of Life
10	T3W7	COMMON TEST 2 Monday 6 Aug	Chapter 4: Investigating Electricity (Revision) Chapter 12: Taking Good Care of My Body
11	T3W8-10	Performance Task	Performance Task Preparation
12	T4W1-3	QUIZ	Revision for EOY Exams
15	T4W4-5	End of Year Exams	Chapter 9: Cells as the Basic Units of Life Chapter 10: Getting Energy And Nutrients From Food Chapter 11: Human Reproduction Chapter 4: Investigating Electricity (Revision) Chapter 12: Taking Good Care of My Body