

Curriculum Structure

Middle School

Grade Level	Courses	Block(s)/ Week (50min/block)
Grade 7	English 7 (2 semesters) Mathematics 7 (2 semesters) Science 7 (2 semesters) Social Studies 7 (2 semesters) Art 7 (2 semesters) Music 7 (2 semesters) World Language 7 (2 semesters) Physical Education 7 (2 semesters) Health Education 7 (2 semesters) <i>Career and technical education courses</i> STEM Robotics 7 (2 semesters) Computer Science 7 (2 semesters)	5 5 4 4 1.5 1 4 1.5 1 2 1
Grade 8	English 8 (2 semesters) Mathematics 8 (2 semesters) Science 8 (2 semesters) Social Studies 8 (2 semesters) Art 8 (2 semesters) Music 8 (2 semesters) World Language 8 (2 semesters) Physical Education 8 (2 semesters) Health Education 8 (2 semesters) <i>Career and technical education courses</i> STEM Robotics 8 (2 semesters) Computer Science 8 (2 semesters)	5 5 4 4 1.5 1 4 1.5 1 2 1
- Thai students are required to take Thai Language & Culture for their World Language class. Non-Thai students are required to take Thai Language & Culture in addition to World Language.		

High School

Grade Level	Programs of Study	Block(s)/ Week (90min/block)	Credits/ Year
Grade 9	English 9 (2 semesters) ^T	4	8
	Mathematics 9 (2 semesters)	2	4
	World Geography (2 semesters)	2	4
	Introduction to Chemistry (2 semesters)	2	4
	Introduction to Physics 1 (2 semesters)	2	4
	World Language 9 (2 semesters)	2	4
	Art 9 (2 semesters)	1.5	3
	Physical Education 9 (1 semester)	1.5	1.5
	Health Education 9 (1 semester)	1.5	1.5
	<i>Career and technical education courses</i>		
	STEM Robotics 9 (2 semesters)	1	2
	Computer Science 9 (2 semesters)	1	2
	<i>Free Electives</i>		
Please refer to list of elective courses provided in the recommended free electives table and elective catalogue	3	6	
Grade 10	English 10 (2 semesters) ^T	4	8
	Integrated Mathematics 1 (2 semesters)	3	6
	World History (2 semesters)	2	4
	Introduction to Biology (2 semesters)	2	4
	Introduction to Physics 2 (2 semesters)	2	4
	World Language 10 (2 semesters)	2	4
	<i>Career and technical education course</i>		
	STEM Robotics 10 (2 semesters)	1	2
	<i>Required Electives</i>		
	Computer Science 10 (2 semesters)	1	2
	Science and Society (2 semesters)	2	4
	<i>Free Electives</i>		
	Please refer to list of elective courses provided in the recommended free electives table and elective catalogue	3	6
Grade 11	English 11 (2 semesters) ^T	4	8
	Integrated Mathematics 2 (2 semesters)	2	4
	Contemporary World (2 semesters)	2	4
	World Language 11 (2 semesters)	2	4

	Physical Education 11 (1 semester)	1	1
	Health Education 11 (1 semester)	1	1
	<i>Career and technical education course</i>		
	STEM Robotics 11 (2 semesters)	1	2
	<i>Required Electives</i>		
	Computer Science 11 (2 semesters)	1	2
	<i>Free Electives</i>		
	Please refer to list of elective courses provided in the recommended free electives table and elective catalogue	9	18
Grade 12	English 12 (2 semesters) ^T	4	8
	World Language 12 (2 semesters)	2	4
	Physical Education 12 (2 semesters)	1	2
	Art 12 (2 semesters)	1	2
	Music 12 (2 semesters)	1	2
	<i>Career and technical education course</i>		
	STEM Robotics 12 (2 semesters)	1	2
	<i>Required Electives</i>		
	Computer Science 12 (2 semesters)	1	2
	Science Research, Independent Study (2 semesters)	2	4
	<i>Free Electives</i>		
	Please refer to list of elective courses provided in the recommended free electives table and elective catalogue	9	18
<p>- Students must ensure they earn enough credits to meet the graduation requirements.</p> <p>- Students can choose different elective courses following recommendations from the school counselor to ensure that they earn sufficient number of credits in each subject area.</p> <p>- Thai students are required to take Thai Language & Culture for their World Language class. Non-Thai students are required to take Thai Language & Culture in addition to World Language.</p> <p>^T Including learner development activities</p>			

Recommended Free Electives for Each Program

Program	Grade and Subjects	Block(s)/ Week (90min/block)	Credits/ Year
Medicine Program	Grade 9		
	<i>Science (choose at least 1)</i>	3	6
	Environmental Science (2 semesters)	3	6
	Food Science (2 semesters)	3	6
	Nutrition (2 semesters)		
	Grade 10		
	<i>Science (choose at least 1)</i>	3	6
	Environmental Science (2 semesters)	3	6
	Food Science (2 semesters)	3	6
	Nutrition (2 semesters)		
	Grade 11		
	<i>Science (choose at least 2)</i>	3	6
	Anatomy and Physiology (2 semesters)	3	6
	AP Biology (2 semesters)	3	6
	AP Chemistry (2 semesters)	3	6
	AP Physics 1-2 (2 semesters)	3	6
	AP Physics C (2 semesters)	3	6
	Advanced Biology (2 semesters)	3	6
	Advanced Chemistry (2 semesters)	3	6
	Advanced Physics (2 semesters)		
	<i>Mathematics (choose at least 1)</i>	3	6
	AP Calculus AB (2 semesters)	3	6
	AP Calculus BC (2 semesters)	3	6
	AP Statistics (2 semesters)	3	6
	Advanced Mathematics (2 semesters)		
	Grade 12		
	<i>Science</i>	3	6
Anatomy and Physiology (2 semesters)	3	6	
AP Biology (2 semesters)	3	6	
AP Chemistry (2 semesters)	3	6	
AP Physics 1-2 (2 semesters)	3	6	
	3	6	

	AP Physics C (2 semesters)	3	6
	Advanced Biology (2 semesters)	3	6
	Advanced Chemistry (2 semesters)		
	Advanced Physics (2 semesters)	3	6
	<i>Mathematics</i>	3	6
	AP Calculus AB (2 semesters)	3	6
	AP Calculus BC (2 semesters)	3	6
	AP Statistics (2 semesters)		
	Advanced Mathematics (2 semesters)		
Engineering Program	Grade 9		
	<i>Science (choose at least 1)</i>		
	Introduction to Engineering (2 semesters)	3	6
	Earth and Space Science (2 semesters)	3	6
	Environmental Science (2 semesters)	3	6
	Grade 10		
	<i>Science (choose at least 1)</i>		
	Introduction to Engineering (2 semesters)	3	6
	Earth and Space Science (2 semesters)	3	6
	Environmental Science (2 semesters)	3	6
	Grade 11		
	<i>Science (choose at least 2)</i>		
	Anatomy and Physiology (2 semesters)	3	6
	AP Biology (2 semesters)	3	6
	AP Chemistry (2 semesters)	3	6
	AP Physics 1-2 (2 semesters)	3	6
	AP Physics C (2 semesters)	3	6
	Advanced Biology (2 semesters)	3	6
	Advanced Chemistry (2 semesters)	3	6
	Advanced Physics (2 semesters)		
	<i>Mathematics (choose at least 1)</i>		
	AP Calculus AB (2 semesters)	3	6
	AP Calculus BC (2 semesters)	3	6
	AP Statistics (2 semesters)	3	6
	Advanced Mathematics (2 semesters)	3	6
	Grade 12		
	<i>Science</i>		
	Anatomy and Physiology (2 semesters)	3	6
	AP Biology (2 semesters)	3	6

	AP Chemistry (2 semesters)	3	6
	AP Physics 1-2 (2 semesters)	3	6
	AP Physics C (2 semesters)	3	6
	Advanced Biology (2 semesters)	3	6
	Advanced Chemistry (2 semesters)	3	6
	Advanced Physics (2 semesters)	3	6
	<i>Mathematics</i>		
	AP Calculus AB (2 semesters)	3	6
	AP Calculus BC (2 semesters)	3	6
	AP Statistics (2 semesters)	3	6
	Advanced Mathematics (2 semesters)	3	6
	KMITL Engineering Mathematics 1 (2 semesters)	3	6
	KMITL Engineering Mathematics 2 (2 semesters)	3	6
	KMITL Engineering Mathematics 3 (2 semesters)	3	6
Applied Science Program	Grade 9		
	<i>Science (choose at least 1)</i>		
	Earth and Space Science (2 semesters)	3	6
	Environmental Science (2 semesters)	3	6
	Food Science (2 semesters)	3	6
	Nutrition (2 semesters)	3	6
	Grade 10		
	<i>Science (choose at least 1)</i>		
	Earth and Space Science (2 semesters)	3	6
	Environmental Science (2 semesters)	3	6
	Food Science (2 semesters)	3	6
	Nutrition (2 semesters)	3	6
	Grade 11		
	<i>Science (choose at least 1)</i>		
	Earth and Space Science (2 semesters)	3	6
	Environmental Science (2 semesters)	3	6
	Food Science (2 semesters)	3	6
	Nutrition (2 semesters)	3	6
	AP Biology (2 semesters)	3	6
	AP Chemistry (2 semesters)	3	6
	AP Physics 1-2 (2 semesters)	3	6
	AP Physics C (2 semesters)	3	6
	Advanced Biology (2 semesters)	3	6
	Advanced Chemistry (2 semesters)	3	6

	Advanced Physics (2 semesters)	3	6
	<i>Mathematics (choose at least 1)</i>		
	Pre-calculus (2 semesters)	3	6
	Probability and Statistics (2 semesters)	3	6
	Calculus (2 semesters)	3	6
	Trigonometry (2 semesters)	3	6
	AP Calculus AB (2 semesters)	3	6
	AP Calculus BC (2 semesters)	3	6
	AP Statistics (2 semesters)	3	6
	Advanced Mathematics (2 semesters)	3	6
	Grade 12		
	<i>Science</i>		
	Earth and Space Science (2 semesters)	3	6
	Environmental Science (2 semesters)	3	6
	Food Science (2 semesters)	3	6
	Nutrition (2 semesters)	3	6
	AP Biology (2 semesters)	3	6
	AP Chemistry (2 semesters)	3	6
	AP Physics 1-2 (2 semesters)	3	6
	AP Physics C (2 semesters)	3	6
	Advanced Biology (2 semesters)	3	6
	Advanced Chemistry (2 semesters)	3	6
	Advanced Physics (2 semesters)	3	6
	<i>Mathematics</i>		
	AP Calculus AB (2 semesters)	3	6
	AP Calculus BC (2 semesters)	3	6
	AP Statistics (2 semesters)	3	6
	Advanced Mathematics (2 semesters)	3	6
	KMITL Engineering Mathematics 1 (2 semesters)	3	6
	KMITL Engineering Mathematics 2 (2 semesters)	3	6
	KMITL Engineering Mathematics 3 (2 semesters)	3	6
Architecture Program	Grade 9		
	<i>Arts (choose at least 1)</i>		
	Introduction to 2 and 3 Dimensional Art (2 semesters)	3	6
	Drawing & Painting (2 semesters)	3	6
	Photography (2 semesters)	3	6
	Ceramics (2 semesters)	3	6

Grade 10		
<i>Arts (choose at least 1)</i>	3	6
Introduction to Two and Three Dimensional Art (2 semester)	3	6
Drawing & Painting (2 semesters)	3	6
Photography (2 semesters)		
Ceramics (2 semesters)		
Grade 11	3	6
<i>Arts (choose at least 1)</i>	3	6
Photography (2 semesters)	3	6
Ceramics (2 semesters)	3	6
KMITL Fundamental Design (2 semesters)		
KMITL Visual Design (2 semesters)	3	6
<i>Science (choose at least 1)</i>	3	6
Earth and Space Science (2 semesters)	3	6
Environmental Science (2 semesters)	3	6
Food Science (2 semesters)	3	6
Nutrition (2 semesters)	3	6
Advanced Biology (2 semesters)	3	6
Advanced Chemistry (2 semesters)		
Advanced Physics (2 semesters)		
Grade 12	3	6
<i>Science (choose at least 1)</i>	3	6
Earth and Space Science (2 semesters)	3	6
Environmental Science (2 semesters)	3	6
Food Science (2 semesters)	3	6
Nutrition (2 semesters)	3	6
Advanced Biology (2 semesters)	3	6
Advanced Chemistry (2 semesters)		
Advanced Physics (2 semesters)	3	6
<i>Arts</i>	3	6
Photography (2 semesters)	3	6
Ceramics (2 semesters)	3	6
KMITL Fundamental Design (2 semesters)		
KMITL Visual Design (2 semesters)	3	6
<i>Mathematics</i>	3	6
Pre-calculus (2 semesters)	3	6
Probability and Statistics (2 semesters)	3	6

	Calculus (2 semesters) Trigonometry (2 semesters)		
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KMIDS Elective Catalogue

Courses offered (2 semesters)	Block(s)/ Week	Credit(s)/ Year	9	10	11	12
Mathematics Electives						
Pre-calculus	3	6				
Probability and Statistics	3	6				
Calculus	3	6				
Trigonometry	3	6				
AP Calculus AB	3	6				
AP Calculus BC	3	6				
AP Statistics	3	6				
KMITL Engineering Mathematics 1	3	6				
KMITL Engineering Mathematics 2	3	6				
KMITL Engineering Mathematics 3	3	6				
English Electives						
Journalism	3	6				
Academic Writing	3	6				
Speech	3	6				
Novel	3	6				
Poetry	3	6				
Short Stories	3	6				
Creative Writing	3	6				
AP English Language and Composition	3	6				
AP English Literature and Composition	3	6				
Science Electives						
Earth and Space Science	3	6				
Environmental Science	3	6				
Food Science	3	6				
Nutrition	3	6				
Introduction to Microbiology	3	6				
Anatomy and Physiology	3	6				
AP Biology	3	6				
AP Chemistry	3	6				
AP Physics 1 Algebra-based	3	6				

AP Physics 2 Algebra-based	3	6				
AP Physics C	3	6				
KMITL General Physics 1	3	6				
KMITL General Physics 2	3	6				
KMITL General Chemistry	3	6				
Social Studies Electives						
Introduction to Psychology	3	6				
Introduction to Political Science	3	6				
Introduction to Economics	3	6				
Introduction to Sociology	3	6				
Arts Electives						
Introduction to Two-Three Dimensional Art	3	6				
Dance Performance	3	6				
Drama	3	6				
Chorus	3	6				
Concert Band	3	6				
Orchestra	3	6				
Theatre Arts & Production	3	6				
Digital Design	3	6				
Drawing & Painting	3	6				
Jewelry	3	6				
Photography	3	6				
Sculpture	3	6				
Ceramics	3	6				
KMITL Fundamental Design	3	6				
KMITL Visual Design	3	6				
World Language Electives						
Thai Language and Culture 9-12 (Thai)	2	4				
Thai Language and Culture 9-12 (Non-Thai)	1	2				
HS Chinese 1-4 (Non-Thai)	1	2				
HS Japanese 1-4 (Non-Thai)	1	2				
Career and Technical Education Electives						
Introduction to Programming	3	6				
Advanced Programming	3	6				
Database management	3	6				

Master Schedule for Grade 7-8

MON		TUE		WED		THU		FRI	
7:25-7:40	Homeroom	7:25-7:40	Homeroom	7:25-7:40	Homeroom	7:25-7:40	Homeroom	7:25-7:40	Homeroom
7:45-8:35	ENGLISH	7:45-8:35	COMPUTER SCIENCE	7:45-8:35	ENGLISH	7:45-8:35	SOCIAL STUDIES	7:45-8:35	SCIENCE
8:40-9:30	SCIENCE	8:40-9:30	SOCIAL STUDIES	8:40-9:30	WORLD LANGUAGE	8:40-9:30	MATH	8:40-9:30	ENGLISH
9:30-10:00	Break	9:30-10:00	Break	9:30-10:00	Break	9:30-10:00	Break	9:30-10:00	Break
10:00-10:50	MUSIC	10:00-10:50	ENGLISH	10:00-10:50	MATH	10:00-10:50	SCIENCE	10:00-10:50	WORLD LANGUAGE
10:55-11:45	WORLD LANGUAGE	10:55-11:45	SCIENCE	10:50-11:50	Lunch	10:55-11:45	ENGLISH	10:55-11:45	MATH
11:45-12:45	Lunch	11:45-12:45	Lunch	11:50-13:05	ART	11:45-12:45	Lunch	11:45-12:45	Lunch
12:45-13:35	SOCIAL STUDIES	12:45-13:35	WORLD LANGUAGE			12:45-13:35	STEM ROBOTICS	12:45-13:35	HEALTH EDUCATION
13:40-14:30	MATH	13:40-14:30	MATH	13:10-14:25	PE	13:40-14:30			13:40-14:30
14:30-14:45	Break	14:30-14:45	Break	14:30-14:40	Break	14:30-14:45	Break	14:30-14:45	Break
14:45-15:45	Supplements and Activities	14:45-15:45	Supplements and Activities	14:45-15:45	Supplements and Activities	14:45-15:45	Supplements and Activities	14:45-15:45	Supplements and Activities

Note: The order of the subject may change for different sections 12

Master Schedule for Grade 9

MON		TUE		WED		THU		FRI	
7:25-7:40	Homeroom	7:25-8:55	MATH 9	7:25-8:55	ENGLISH 9	7:25-8:55	ELECTIVE 1	7:25-8:55	STEM ROBOTICS 9
7:45-9:15	ENGLISH 9	9:00-10:30	INTRO TO CHEMISTRY	9:00-10:30	WORLD GEOGRAPHY	9:00-10:30	WORLD LANGUAGE 9	9:00-10:30	COMPUTER SCIENCE 9
09:20-10:50	WORLD GEOGRAPHY	10:30-10:45	Break	10:30-11:30	Lunch	10:30-10:45	Break	10:30-11:30	Lunch
10:50-11:50	Lunch	10:45-12:15	ENGLISH 9	11:30-13:00	INTRO TO CHEMISTRY	10:45-12:15	INTRO TO PHYSICS 1	11:30-13:00	MATH 9
11:50-13:20	INTRO TO PHYSICS 1	12:15-12:55	Lunch	13:05-14:35	ELECTIVE 1	12:15-12:55	Lunch	13:05-14:35	ENGLISH 9
13:25-14:55	ELECTIVE 1	12:55-14:25	WORLD LANGUAGE 9	14:35-14:45	Break	12:55-14:25	ENGLISH 9	14:35-14:45	Break
15:00-16:00	Supplements and Activities	14:30-16:00	ART 9	14:45-15:45	Supplements and Activities	14:30-16:00	HEALTH ED 9/ PE 9	14:45-15:45	Supplements and Activities

Note: The order of the subject may change for different sections

Master Schedule for Grade 10

MON		TUE		WED		THU		FRI	
7:25-7:40	Homeroom	7:25-8:55	INTEGRATED MATHEMATICS 1	7:25-8:55	ENGLISH 10	7:25-8:55	COMPUTER SCIENCE 10	7:25-8:55	WORLD HISTORY
7:45-9:15	INTRO TO PHYSICS 2	9:00-10:30	WORLD HISTORY	9:00-10:30	ELECTIVE 1	9:00-10:30	INTRO TO PHYSICS 2	9:00-10:30	ENGLISH 10
09:20- 10:50	INTRO TO BIOLOGY	10:30- 10:45	Break	10:30- 11:30	Lunch	10:30- 10:45	Break	10:30- 11:30	Lunch
10:50- 11:50	Lunch	10:45- 12:15	WORLD LANGUAGE 10	11:30- 13:00	INTRO TO BIOLOGY	10:45- 12:15	ENGLISH 10	11:30- 13:00	INTEGRATED MATHEMATICS 1
11:50- 13:20	ENGLISH 10	12:15- 12:55	Lunch	13:05- 14:35	INTEGRATED MATHEMATICS 1	12:15- 12:55	Lunch	13:05- 14:35	WORLD LANGUAGE 10
13:25- 14:55	ELECTIVE 1	12:55- 14:25	STEM ROBOTICS 10	14:35- 14:45	Break	12:55- 14:25	SCIENCE AND SOCIETY	14:35- 14:45	Break
15:00- 16:00	Supplements and Activities	14:30- 16:00	SCIENCE AND SOCIETY	14:45- 15:45	Supplements and Activities	14:30- 16:00	ELECTIVE 1	14:45- 15:45	Supplements and Activities

Note: The order of the subject may change for different sections

Master Schedule for Grade 10 (for academic year 2017-2020)

MON		TUE		WED		THU		FRI	
7:25-7:40	Homeroom	7:25-8:55	INTEGRATED MATHEMATICS 1	7:25-8:55	ENGLISH 10	7:25-8:55	COMPUTER SCIENCE 10	7:25-8:55	WORLD HISTORY
7:45-9:15	INTRO TO PHYSICS 2	9:00-10:30	WORLD HISTORY	9:00-10:30	ELECTIVE 1	9:00-10:30	INTRO TO PHYSICS 2	9:00-10:30	ENGLISH 10
09:20- 10:50	INTRO TO BIOLOGY	10:30- 10:45	Break	10:30- 11:30	Lunch	10:30- 10:45	Break	10:30- 11:30	Lunch
10:50- 11:50	Lunch	10:45- 12:15	INTRO TO CHEMISTRY	11:30- 13:00	INTRO TO BIOLOGY	10:45- 12:15	ENGLISH 10	11:30- 13:00	INTEGRATED MATHEMATICS 1
11:50- 13:20	ENGLISH 10	12:15- 12:55	Lunch	13:05- 14:35	INTEGRATED MATHEMATICS 1	12:15- 12:55	Lunch	13:05- 14:35	WORLD LANGUAGE 10
13:25- 14:55	WORLD LANGUAGE 10	12:55- 14:25	STEM ROBOTICS 10	14:35- 14:45	Break	12:55- 14:25	ELECTIVE 1	14:35- 14:45	Break
15:00- 16:00	Supplements and Activities	14:30- 16:00	ELECTIVE 1	14:45- 15:45	Supplements and Activities	14:30- 16:00	INTRO TO CHEMISTRY	14:45- 15:45	Supplements and Activities

Note: The order of the subject may change for different sections

Master Schedule for Grade 11

MON		TUE		WED		THU		FRI	
7:25-7:40	Homeroom	7:25-8:55	ENGLISH 11	7:25-8:55	ELECTIVE 2	7:25-8:55	WORLD LANGUAGE 11	7:25-8:55	ELECTIVE 3
7:45-9:15	ELECTIVE 1	9:00-10:30	CONTEMPO. WORLD	9:00-10:30	INTEGRATED MATHEMATICS 2	9:00-10:30	ELECTIVE 1	9:00-10:30	ENGLISH 11
09:20-10:50	STEM ROBOTICS 11	10:30-10:45	Break	10:30-11:30	Lunch	10:30-10:45	Break	10:30-11:30	Lunch
10:50-11:50	Lunch	10:45-12:15	ELECTIVE 3	11:30-13:00	ENGLISH 11	10:45-12:15	ELECTIVE 3	11:30-13:00	CONTEMPO. WORLD
11:50-13:20	ENGLISH 11	12:15-12:55	Lunch	13:05-14:35	COMPUTER SCIENCE 11	12:15-12:55	Lunch	13:05-14:35	ELECTIVE 2
13:25-14:55	INTEGRATED MATHEMATICS 2	12:55-14:25	ELECTIVE 1	14:35-14:45	Break	12:55-14:25	ELECTIVE 2	14:35-14:45	Break
15:00-16:00	Supplements and Activities	14:30-16:00	WORLD LANGUAGE 11	14:45-15:45	Supplements and Activities	14:30-16:00	HEALTH ED 11/ PE 11	14:45-15:45	Supplements and Activities

Note: The order of the subject may change for different sections

Master Schedule for Grade 12

MON		TUE		WED		THU		FRI	
7:25-7:40	Homeroom	7:25-8:55	ENGLISH 12	7:25-8:55	SCIENCE RES AND IND STUDY	7:25-8:55	ELECTIVE 1	7:25-8:55	ELECTIVE 2
7:45-9:15	ENGLISH 12	9:00-10:30	ELECTIVE 2	9:00-10:30	MUSIC 12	9:00-10:30	ELECTIVE 3	9:00-10:30	WORLD LANGUAGE 12
09:20-10:50	WORLD LANGUAGE 12	10:30-10:45	Break	10:30-11:30	Lunch	10:30-10:45	Break	10:30-11:30	Lunch
10:50-11:50	Lunch	10:45-12:15	PE 12	11:30-13:00	ENGLISH 12	10:45-12:15	COMPUTER SCIENCE 12	11:30-13:00	SCIENCE RES AND IND STUDY
11:50-13:20	ART 12	12:15-12:55	Lunch	13:05-14:35	STEM ROBOTICS 12	12:15-12:55	Lunch	13:05-14:35	ELECTIVE 3
13:25-14:55	ELECTIVE 1	12:55-14:25	ELECTIVE 1	14:35-14:45	Break	12:55-14:25	ELECTIVE 2	14:35-14:45	Break
15:00-16:00	Supplements and Activities	14:30-16:00	ELECTIVE 3	14:45-15:45	Supplements and Activities	14:30-16:00	ENGLISH 12	14:45-15:45	Supplements and Activities

Note: The order of the subject may change for different sections

Supplements and Activities

The objectives of supplementary classes are to assist and enhance students' academic achievement and experience. Supplementary classes are divided into:

- Gifted classes
 - Gifted classes are design to help enhance students' academic attainment and portfolio. These classes are taught by experienced instructors who will be taking students to the national and world-class competition platforms.
 - Examples of gifted classes include Olympic mathematics and Olympic physics.
- Remedial classes
 - Remedial classes are designed to provide academic support for students who have difficulty following their lessons.
 - Examples of remedial classes include ESL lab, math clinic, and science resources.
- Extra classes
 - Extra classes are for students who want to learn a third language or prepare for standardize test such as TOEFL, SAT, or BMAT

Our school also provides two types of activities: co-curricular and extra-curricular activities that will enrich students' school lives. Co-curricular activities such as science academy and robotics competition are designed to strengthen the students' academic performance. Extra-curricular activities aim to support students' interests such as sports and clubs (for example robotics club, science club, debate club, volunteer club, and music club). Please note that students should place their first priority on their class work and obligations. These activities are provided to further enrich students' education.

Credit Summary by Program

- Medicine Program

Subject Area	Grade 9 - 12	Grade 10 -12
English	32 (960 hrs.)	24 (720 hrs.)
Mathematics	14 (420 hrs.)	10 (300 hrs.)
Required Mathematics Electives	6 (180 hrs.)	6 (180 hrs.)
Science	16 (480 hrs.)	8 (240 hrs.)
Required Science Electives	32 (960 hrs.)	26 (780 hrs.)
Social Studies	12 (360 hrs.)	8 (240 hrs.)
Career and Technical Education	10 (300 hrs.)	6 (180 hrs.)
Required Career and Technical Education	6 (180 hrs.)	6 (180 hrs.)
Performing and/or Visual Arts	7 (210 hrs.)	4 (120 hrs.)
Physical Education and Health Education	7 (210 hrs.)	4 (120 hrs.)
World Language	16 (480 hrs.)	12 (360 hrs.)
Other Electives	18 (540 hrs.)	18 (540 hrs.)

- Engineering Program

Subject Area	Grade 9 - 12	Grade 10 -12
English	32 (960 hrs.)	24 (720 hrs.)
Mathematics	14 (420 hrs.)	10 (300 hrs.)
Required Mathematics Electives	6 (180 hrs.)	6 (180 hrs.)
Science	16 (480 hrs.)	8 (240 hrs.)
Required Science Electives	32 (960 hrs.)	26 (780 hrs.)
Social Studies	12 (360 hrs.)	8 (240 hrs.)
Career and Technical Education	10 (300 hrs.)	6 (180 hrs.)
Required Career and Technical Education	6 (180 hrs.)	6 (180 hrs.)
Performing and/or Visual Arts	7 (210 hrs.)	4 (120 hrs.)
Physical Education and Health Education	7 (210 hrs.)	4 (120 hrs.)
World Language	16 (480 hrs.)	12 (360 hrs.)
Other Electives	18 (540 hrs.)	18 (540 hrs.)

- Applied Science Program

Subject Area	Grade 9 - 12	Grade 10 -12
English	32 (960 hrs.)	24 (720 hrs.)
Mathematics	14 (420 hrs.)	10 (300 hrs.)
Required Mathematics Electives	6 (180 hrs.)	6 (180 hrs.)
Science	16 (480 hrs.)	8 (240 hrs.)
Required Science Electives	26 (780 hrs.)	20 (600 hrs.)
Social Studies	12 (360 hrs.)	8 (240 hrs.)
Career and Technical Education	10 (300 hrs.)	6 (180 hrs.)
Required Career and Technical Education	6 (180 hrs.)	6 (180 hrs.)
Performing and/or Visual Arts	7 (210 hrs.)	4 (120 hrs.)
Physical Education and Health Education	7 (210 hrs.)	4 (120 hrs.)
World Language	16 (480 hrs.)	12 (360 hrs.)
Other Electives	24 (720 hrs.)	24 (720 hrs.)

- Architecture Program

Subject Area	Grade 9 - 12	Grade 10 -12
English	32 (960 hrs.)	24 (720 hrs.)
Mathematics	14 (420 hrs.)	10 (300 hrs.)
Science	16 (480 hrs.)	8 (240 hrs.)
Required Science Electives	20 (600 hrs.)	20 (600 hrs.)
Social Studies	12 (360 hrs.)	8 (240 hrs.)
Career and Technical Education	10 (300 hrs.)	6 (180 hrs.)
Required Career and Technical Education	6 (180 hrs.)	6 (180 hrs.)
Performing and/or Visual Arts	7 (210 hrs.)	4 (120 hrs.)
Required Arts Electives	18 (180 hrs.)	12 (360 hrs.)
Physical Education and Health Education	7 (210 hrs.)	4 (120 hrs.)
World Language	16 (480 hrs.)	12 (360 hrs.)
Other Electives	18 (540 hrs.)	18 (540 hrs.)

Graduation Requirements

The students must fulfill the following requirements in order to earn KMIDS high school diploma.

1. Earn 176 credits for students who have attended grade 9 to 12 or earn 132 credits for students who have attended grade 10 to 12.

- a. Grade 9 to 12

Subject area	Credits (Learning hours)
English	32 (960 hrs.)
Mathematics	14 (420 hrs.)
Science	16 (480 hrs.)
Social Studies	12 (360 hrs.)
Career and Technical Education	10 (300 hrs.)
Performing and/or Visual Art	7 (210 hrs.)
Physical Education and Health Education	7 (210 hrs.)
World Language	16 (480 hrs.)
Electives	62 (1,860 hrs.)

- b. Grade 10 to 12

Subject area	Credits (Learning hours)
English	24 (720 hrs.)
Mathematics	10 (300 hrs.)
Science	8 (240 hrs.)
Social Studies	8 (240 hrs.)
Career and Technical Education	6 (180 hrs.)
Performing and/or Visual Art	4 (120 hrs.)

Physical Education and Health Education	4 (120 hrs.)
World Language	12 (360 hrs.)
Electives	56 (1,680 hrs.)

2. Study grade 12 at KMIDS
3. Earn a satisfactory score on English proficiency test
 - a. TOEFL ITP 550
 - b. TOEFL iBT 79
 - c. IELTS 6.5
4. Complete a satisfactory Capstone Project where students pursue independent research on a question or problem of their choice