

NARMER AMERICAN COLLEGE

American Curriculum Guide

High School

Character – Service – Leadership



2021

Table of Contents

Foundation document	
Mission, Philosophy, Objectives, Profile	3
Academic information	
Graduation Requirements	4
Grading	4
GPA and Rank	4
High School Courses	5
Four Years Course Plan	6
Testing Information	7
Independent Study	7
Advanced Placement	7
Course Offerings	
English	8
Humanities/Business	13
Science	19
Math	24
Technology	27
World Languages	30
Arabic, Social Studies	36
Fine Arts	39
Physical Education	44



20, El Narguis Area, New Cairo City

September 2019

Dear Students, Parents / Guardians,

Narmer American College is celebrating its 20th year as an International quality education institution. Quality is not just about the programs offered but about the product produced. High school students are usually the product that schools honor and cherish which marks the importance of high school stage. Guidance of our students in this important phase of their educational journey, is another level of responsibility

The curriculum guide is a document that simply guides students to make the right choices about the courses they select in HS and that qualify them for specific universities that the students opt for. The curriculum guide maps out all choices and helps the students prioritize needs over other less important factors.

Parents are encouraged to visit this document and to discuss it with students. The document is self-explanatory and can be used as an effective guide to help decision making about what majors to study in university. This document comes as one part of a holistic advisory approach that NAC High School Principal and College advisor offer as an integral part of student services in NAC.

After you read the document, you are advised to book an appointment and meet NAC College Counseling office to ask further details

Sincerely,

Mrs. Heba Khalifa
School Principal

NARMER AMERICAN COLLEGE PROFILE

Narmer American College has as its primary mission the education and development of the whole student-mind, body and spirit. The students will be equipped to assume positions of leadership with an understanding of technology and its impact on the global community. Students will be able to cooperate in a diverse multicultural community.

Narmer American College (NAC) is a Nursery-Grade 12 international college preparatory school with English as the language of instruction. The school is fully accredited by the North Central Association Commission on Accreditation and School Improvement (NCA CASI), an accreditation division of Advanced, and approved by the Egyptian Ministry of Education. NAC serves a community of predominately Egyptian and Middle Eastern families seeking an American primary and/or secondary curriculum of education. Our families represent the professional segment of Egyptian society plus expatriate families who are in Egypt working for various embassies and private business enterprises.

NAC is located on a 39,000 square meter campus in New Cairo City consisting of three floors with 76 classrooms, outdoor athletic fields and track, 1000 m² indoor sports courts, an indoor gymnasium, an almost 800 m² swimming pool, and an indoor cafeteria. The campus also includes an indoor auditorium with a capacity of 500 seats, music and art rooms, science and computer labs, a library and a clinic.

As NAC experiences steady growth, the Board of Directors is encouraging the continued development of a diverse community of parents, students and teachers who share a love of learning and who strive for excellence in all they do. One of the Board's major goals is for NAC to prepare students for lives of leadership and citizenship, including service to their communities. Another goal is to nurture strength of character, which will enable students to accept the responsibilities of adulthood.

The underpinning of the NAC educational programming is the American system of education following the Common Core Standards. Students are consistently being challenged to expand their knowledge and skills and prepare for higher intellectual engagement. We offer Advanced Placement (AP) courses, which are college-level courses offered to grade 11 and 12 students that are much more rigorous than the regular course offerings. The culminating achievement for our graduating students is the completion of requirements and credits leading toward an American high school diploma. Qualified students may earn an additional AP International Diploma (APID) by passing in five AP exams in different subject areas. Additionally, our students have the option of joining the International Baccalaureate Diploma Programme (IBDP) starting grade 11. The IBDP is a rigorous and balanced 2-year university preparation program, providing outstanding research-based education, and developing both disciplinary and interdisciplinary knowledge and understanding.

NAC recognizes that student involvement beyond the classroom is important for intellectual, physical, and social development. Therefore, an expansive student development program has been organized. The emphasis throughout the spectrum of activities is on competence, character, leadership, and citizenship. Our activities program offers a wide variety of options, ranging from Model United Nations, art, theater, dance, and music to community service and team sports.

American High School Diploma Graduation Requirements

At the conclusion of each year, credits are awarded for each course completed with a passing grade and according to the following guidelines: full-time/full-year course = one credit; full-time/semester course = .50 credit; full-time/quarter course = .25 credit; part-time/full-year or semester course = between .25 and .50 credits.

A minimum of 26 credits are required for students to graduate from Narmer American College. Students must also complete 20 hours of community service.

<u>Subject</u>	<u>Credits</u>
English	4
Mathematics	4
Humanities	3
Science	3
World Languages	2
Arabic/ASL	3
PE/Health	1
Art	1
Electives (additional courses beyond those required)	5
TOTAL Credits Required	Min. 26

Grading

	<u>American Diploma</u>	<u>GPA</u>	<u>Honors & AP</u>
	<u>Percentage</u>		<u>Percentage</u>
A	93-100	4.0	88-100
A-	90-92	3.7	85-87
B+	88-89	3.3	82-84
B	83-87	3.0	78-81
B-	80-82	2.7	75-77
C+	78-79	2.3	72-74
C	73-77	2.0	68-71
C-	70-72	1.7	65-67
D+	68-69	1.3	63-64
D	63-67	1.0	61-62
D-	60-62	0.7	60
F	Below 60	0	Below 60

GPA and Rank

NAC ranks its graduating class using student GPA's calculated according to the grading system indicated above. NAC does not include transfer grades in the calculation of a student's GPA. GPA's are based solely on work done while attending NAC. Over the course of their high school work, seniors who qualify for Valedictorian (highest cumulative GPA) or Salutatorian (second highest cumulative GPA) must have earned a minimum of 21 credits at NAC.

High School Courses

English

English Language Arts 9
English Language Arts 10
English Language Arts 11
English Language Arts 12

Science

Integrated Science (9)
Physical Science (9)
Biology
Chemistry
Environmental Science
Physics
AP Biology

Technology

Computer Science I (9)
Computer Science II (10)
Introduction to Programming and Networking

Arabic

Arabic and Religion (9, 10, 11, 12)
Arabic as a Second Language

Arabic Social Studies

Social Studies (9)
Arabic Social Sciences (10, 11)
Civics (12)

PE/Health

PE (9, 10)
Health & Wellness (11, 12)

Humanities

Ancient World History
World History I
World History II
Business
Accounting
Marketing
Economics
Global Studies
Psychology
Sociology

Math

Integrated Math I
Algebra II
Pre-Calculus
Calculus
Statistics
Integrated Math II

World Languages

French
German
Spanish

Fine Arts

Music Performance (9, 10)
Drama (9, 10, 11, 12)
Art Introduction (9, 10)
Art and Design (11, 12)
Graphic Design

FOUR YEARS COURSE PLAN

Name: _____

Grade: _____

DIRECTIONS:

1. Review graduation requirements listed in the program of studies.
2. On the form below, specify required courses for each year including the courses you have already taken.
3. Now go back and fill in the elective classes that you have taken or would like to take for all four years of high school. Remember that you must take seven credits each year.
4. Please share this completed form with your parents and counselor.

GRADE 9	CREDIT	GRADE 10	CREDIT
English Language Arts	1.0	English Language Arts	1.0
Ancient World History	1.0	World History I	1.0
Physical Science	1.0	Biology	1.0
Math	1.0	Math	1.0
Arabic/ ASL	1.0	Arabic/ ASL	1.0
Religion	NC	Religion	NC
Arabic Social Studies	NC	Arabic Social Studies	NC
French/ German/ Spanish	1.0	French/ German/ Spanish	1.0
PE	0.5	PE	0.5
Art/ Music/ Computer/ Drama	0.5	Art/ Music/ Computer/ Drama	0.5
Total Credits	7.0	Total Credits	7.0

GRADE 11	CREDIT	GRADE 12	CREDIT
English Language Arts	1.0	English Language Arts	1.0
World History II	1.0	Calculus/ Statistics/ Int. Math	1.0
Pre-Calculus	1.0	Arabic/ ASL	1.0
Chemistry/ Environmental Sc.	1.0	Religion	NC
Arabic/ ASL	1.0	Civics	NC
Religion	NC	*	1.0
Arabic Social Studies	NC	*	1.0
*	1.0	*	1.0
*	1.0	*	1.0
Total Credits	7.0	Total Credits	7.0

NC: Non-Credit Course

* Add your elective options

English Course Offerings

Grade 12

English Language & World Literature

Grade 11

English Language & American Literature

Grade 10

English 10

Advanced English 10

Grade 9

English 9

Advanced English 9

English

English 9

Literature:

The students will be introduced to significant literary works and will learn how to identify the basic facts and main ideas in a text and use them as the basis for interpretation. They will also deepen their understanding of literary and non-literary work, relating it to its contemporary context or historical background. Students will learn how to identify, analyze and apply knowledge of themes in literary works and provide evidence from the text to support their understanding. Students will be able to write response papers analyzing, comparing and contrasting and critiquing texts, synthesizing the information and vocabulary they acquired.

Language:

The students will engage in various writing projects after they have reviewed the conventions of Standard English. They will also be able to determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grades 9 reading and content, choosing flexibly from a range of strategies. Students will write and edit several essays conforming to the MLA standards of writing. Students will also be introduced to the standardized test content (ACT/SAT/EST), learning important strategies and key concepts that will guide them to perform well on their standardized exams.

- Prerequisite : completion of 8th grade English.
- Credit : 1.0
- Length of course : 1 year

English 10

The course emphasizes skill development in reading, writing, research skills, grammar, critical thinking, and cooperative learning. This course incorporates the study of literature with vocabulary, grammar, and writing.

Literature:

Students will read through various genres and will be able to identify themes, conflicts, setting, point of view and several other literary elements, drawing on evidence from text. In addition, students will be able to write and critique major literary works, using the knowledge acquired throughout.

Language:

A special focus is placed on preparing students for their standardized tests (ACT/SAT/EST) through the teaching of workable strategies, enriching students with vocabulary banks and the practice of Standard English conventions. The students will also continue developing their writing skills through engaging in writing persuasive, descriptive, narrative, and synthesis essays in multiple drafts.

- Prerequisite : completion of 9th grade English.
- Credit : 1.0
- Length of course : 1 year

English 11

Literature:

The English Literature course will take the students to American Literature and introduce them to a variety of short stories, novels, plays, poems, and essays. The students will also be further taken into the modern writings of minority writers in America to acquaint them with the point of view of the “other”. American poets play a large role in the expression of American history; therefore, the course tackles works advocating women’s rights and anti-slavery sentiment. The objective of the literature course is to enable students to recognize and evaluate various writing genres, while improving reading comprehension skills. Students will also be expected to strengthen their capacity for critical thinking and in-depth analysis.

Language:

The students will be able to write and edit clear and accurate personal, professional and informational essays employing all their acquired knowledge of Standard English conventions. Students will also participate in extensive standardized test (ACT/SAT/EST) preparation, reinforcing the basic grammar rules required to pass the any standardized exam. The students will also practice critical thinking through answering critical thinking questions related to grammar and mechanics. Additionally, students will be introduced to vocabulary which will help them understand critical reading passages and enable them to answer vocabulary questions on their standardized test.

- Prerequisite : completion of 10th grade English.
- Credit : 1.0
- Length of course : 1 year

English 12

Literature:

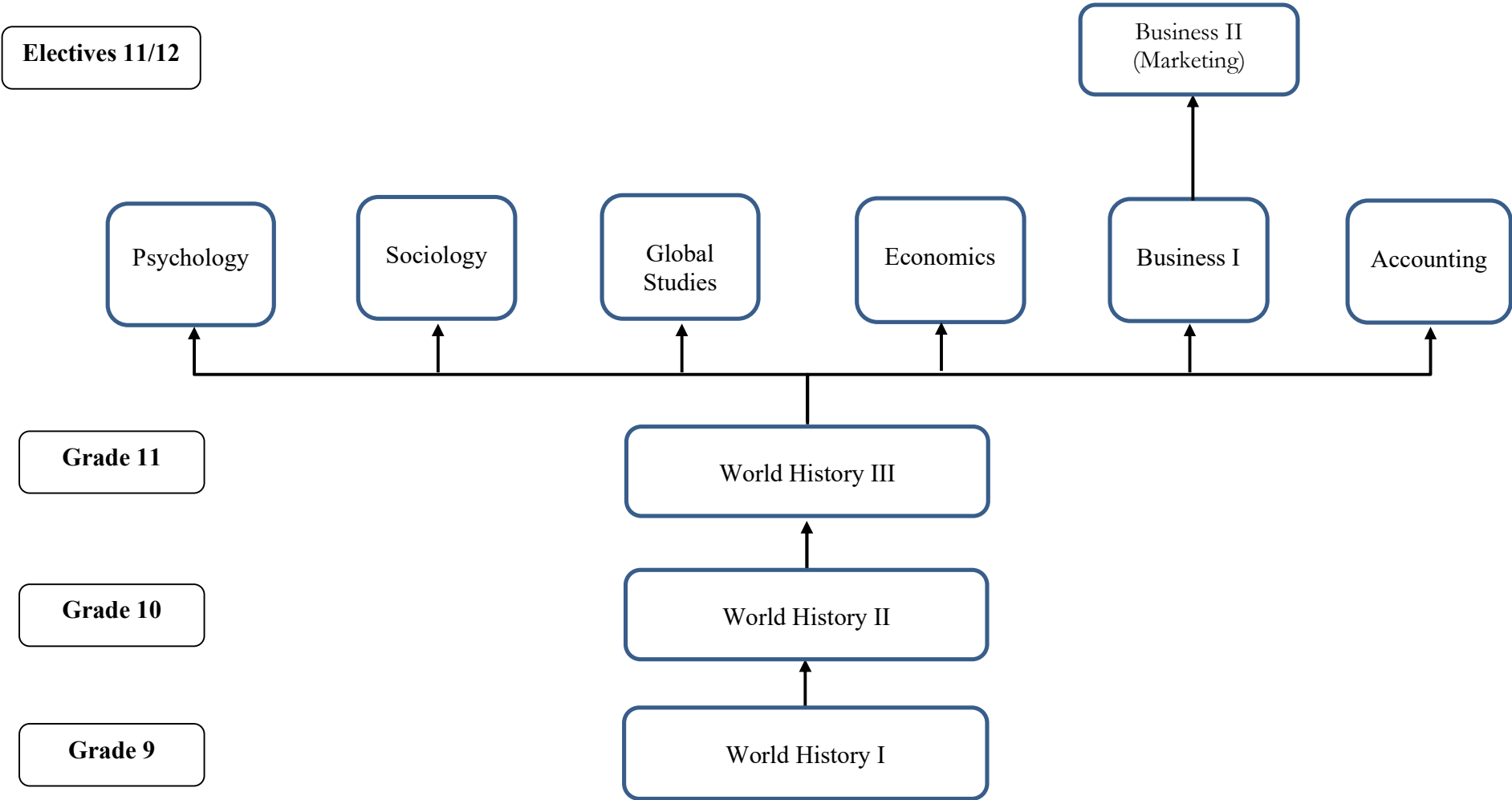
The student will analyze British Literature and literature of other cultures, with attention to the many classic works which may be studied. Writing will include the production of informational and expository papers, which are organized logically and contain clear and accurate ideas. The student will also produce a well-documented major research paper, using a standard method of documentation. The student will demonstrate advanced knowledge of grammatical conventions through writing, editing, and speaking.

Language:

The course combines development of writing and vocabulary with the detailed study of some key texts in World Literature. Writing skills focus on specific text types, such as critical review, personality profiles, analytical and evaluative essays, and the college application essay. All writing assignments will be assessed using the 6+1 Writing Traits. The vocabulary input is designed to aid ACT/SAT/EST performance. The literature element is broken down into four major genre types: fiction, non-fiction, poetry and drama.

- Prerequisite : completion of 11th grade English.
- Credit : 1.0
- Length of course : 1 year

Humanities/Business Course Offerings



Humanities/Business

World History I The Ancient & Medieval Periods (Grade 09)

How do civilizations rise, and how do they try to hold on to power? In this course, students will study major civilizations of the ancient world, including those of the Egyptians, the Persians, the Greeks, and the Romans. They will explore their beliefs, traditions, famous leaders, and their lasting impacts on the world today. They will then explore the early history of Islam and the major Muslim Empires that stretched across the Middle East and Europe during the medieval period. Finally, students will explore the dramatic changes that struck Europe during the Dark Ages and the formation of England and France as two of Europe's most powerful nations.

- Prerequisite : Successful completion of Grade 8 Social Studies
- Credit : 1.0
- Length of course : 1 year

World History II From the Renaissance to Imperialism (Grade 10)

In this course, students will study the periods of rebirth and revolution in Europe, the Americas, and Egypt. They will explore the Renaissance, the rise of the nation-state in Europe, the French Revolution, the Enlightenment and the religious Reformation period, and the economic and political roots of the modern world. Additionally, students study the origins and consequences of the Industrial Revolution, the American Revolution and Civil War, 19th century political reform in Western Europe and the Ottoman Empire, and imperialism in Africa and Asia.

- Prerequisite : World History I or equivalent
- Credit : 1.0
- Length of course : 1 year

World History III World War I to the Present (Grade 11)

In this course, students will explore the causes and consequences of the great military and economic events of the past century that have shaped the modern world, including World War I, the Great Depression, World War II, the Cold War, the Russian and Chinese revolutions, and modern Middle East conflicts. Students will also study the rise of nationalism and the continuing persistence of political, ethnic, and religious conflicts in many parts of the modern world.

- Prerequisite : World History I or equivalent
- Credit : 1.0
- Length of course : 1 year

Sociology

Sociology is the study of society and human relationships. This course examines basic concepts, theories and methods of sociology, emphasizing the significance of self and culture. Topics include: An introduction (What is Sociology?); deviance and social control; gender; cultural diversity; the adolescent in society; economics and politics; collective behavior and social movements; and the mass media.

- Prerequisite : Grade 11 or 12 status
- Credit : 1.0
- Length of course : 1 year

Psychology

This course will offer students a range of approaches and concepts in psychology and will investigate the interactions between the individual, society and culture. The following topics are covered: research methods, biological bases of behavior, motivation and emotion, perception, intelligence, personality, gender and social psychology.

- Prerequisite : Grade 11 or 12 status
- Credit : 1.0
- Length of course : 1 year

Global Studies

Global Studies provides students with an independent and objective look at the twentieth and twenty-first century world. In this course, students will study different regions of the world, analyze the various types of government and economic systems in each region, and explore the major global issues and challenges that unite and divide these regions. This course also provides an introduction to the structure and functions of the United Nations and its agencies. It focuses on international issues such as human rights, sustainable development, environmental protection, security, conflict and cooperation. Students are prepared for participation as delegates to a Model United Nations (MUN) conference both at NAC and abroad. Students also study history, foreign policy, and related policy positions of different countries around the world, learn parliamentary procedures, prepare position papers, and practice writing resolutions.

- Prerequisite : Grade 11 or 12 status
- Credit : 1.0
- Length of course : 1 year

Economics

Economics explores the fundamental laws of scarcity, opportunity cost, supply and demand, productivity and efficiency as they apply to individual and collective human behavior. Further, it explains concepts such as inflation, unemployment, and monetary and fiscal policy. The course content will be applied in a variety of ways, such as: the

evaluation of government programs on the basis of their intended and unintended results; the relationship between the domestic and international economic systems; and the use of case studies to exemplify and analyze economic concepts.

- Prerequisite : Grade 11 or 12 status
- Credit : 1.0
- Length of course : 1 year

Business I

This an introductory course is designed to help students develop critical thinking skills, though the understanding, application and analysis of fundamental business concepts. Students will be able to develop an awareness of the nature and significance of innovation, to develop an understanding of the way changes in the business environment influence business behavior and to promote knowledge and appreciation of the working world.

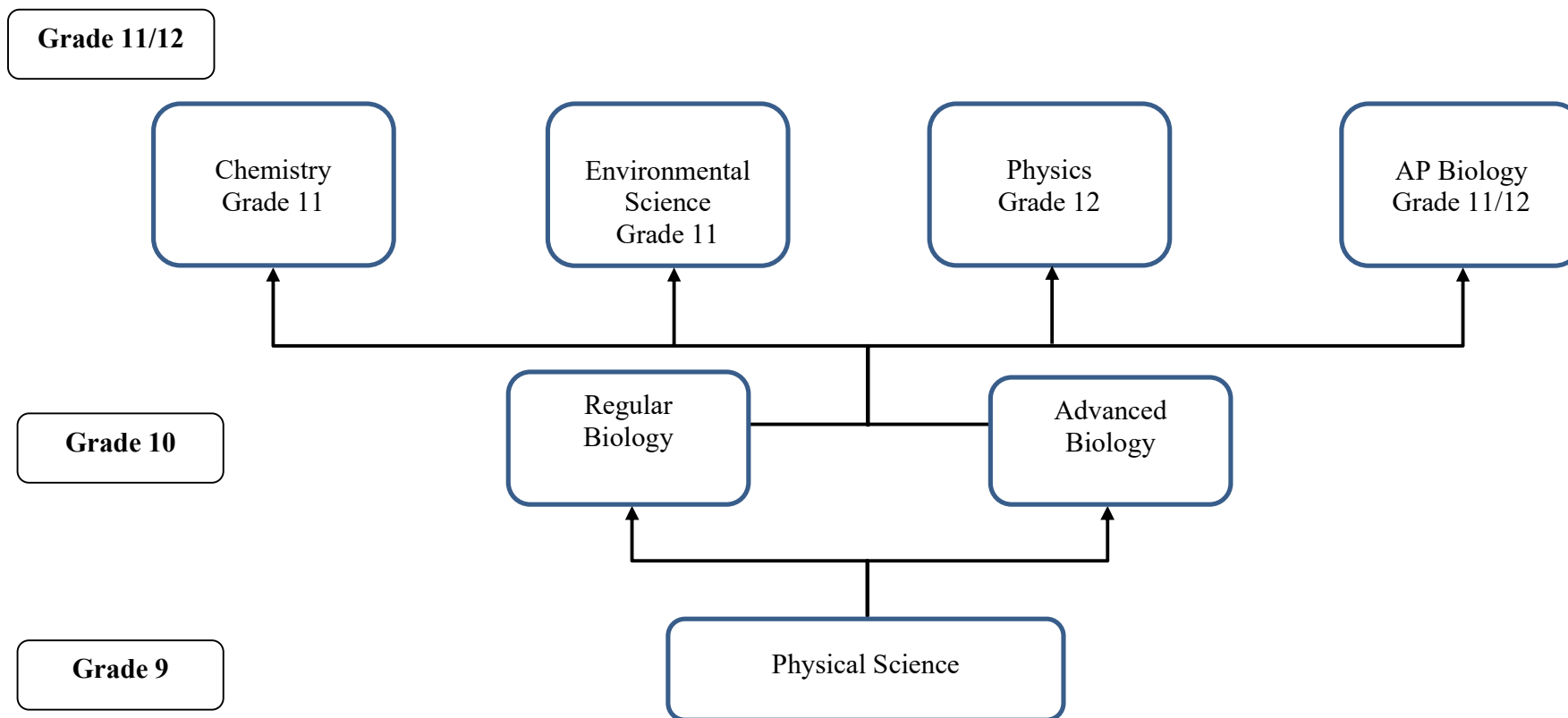
- Prerequisite : Grade 11 or 12 status
- Credit : 1.0
- Length of course : 1 year

Business II (Marketing)

The course provides an introduction to the theory and practice of marketing and explains the core functions of marketing. The program is correlated to the latest national marketing standards, incorporates academic content and research-based reading strategies. The course also tackles the growth of online advertising and strategies, decline of print newspapers, social media marketing strategies, privacy and identity protection, and web analytics.

- Prerequisite : Successful completion of Business I and Grade 12 status
- Credit : 1.0
- Length of course : 1 year

Science Course Offerings



Science

Physical Science

This course is intended as the first year high school science course. Physical Science is the study of the relationship between matter and energy and how they interact. Using the inquiry method, students will investigate motion, matter, energy, waves, sound, light, electricity and magnetism, and understanding the atom. Physical Science will utilize the laboratory exercises, textbook, laboratory manual, along with additional resources. Students will operate as individuals and group members in a technology and laboratory-rich environment.

- Prerequisite : Grade 9 status.
- Credit : 1.0
- Length of course : 1 year

Biology

This course introduces an in-depth view of the structure, organization, physiology and biochemistry of prokaryotic and eukaryotic cells, and chromosomal basis of heredity. Additionally, the course covers the study of the following human biological systems: tissues, urinary, nervous, muscular, circulatory, respiratory and digestive.

- Prerequisite : Successful completion of Physical Science Grade 9.
- Credit : 1.0
- Length of course : 1 year

Chemistry

Students will build a solid chemistry vocabulary and gain a strong understanding of key scientific principles and topics. The basic ideas that will be covered are: The Science of Chemistry, Matter and Energy, Atoms and Moles, The Periodic Table, Ions and Ionic Compounds, Covalent Compounds, The Mole and Chemical Composition, Chemical Equations and Reactions, Stoichiometry, Causes of Change, States of Matter and Intermolecular Forces, Gases, Solutions, Chemical Equilibrium, Acids and Bases, Reaction Rates, Oxidation, Reduction, Electrochemistry, Carbon and Organic Compounds, and Biological Chemistry.

- Prerequisite : Successful completion of Biology.
- Credit : 1.0
- Length of course : 1 year

Environmental Science

This course is designed to increase the knowledge and understanding of how the environment functions, the effect humans are having on it, and our responsibility in sustainability. It is recommended for students interested in the environment, or in gaining a broad understanding of how science plays a part in our everyday lives. The basic ideas that will be covered are Ecology, Populations, Water, Air, Land, and Mineral and Energy Resources.

- Prerequisite : Successful completion of Biology.
- Credit : 1.0
- Length of course : 1 year

Physics

The physics syllabus is designed to cover the following areas: Measuring motion in one dimension, Forces, Pressure, Machines, Motion, some properties of matter, Heat and Matter, Static electrons, Electric circuits, Cells and Batteries, Magnetism and Electromagnetism, Electronics, Describing atoms, Radioactivity, Waves and wave phenomena.

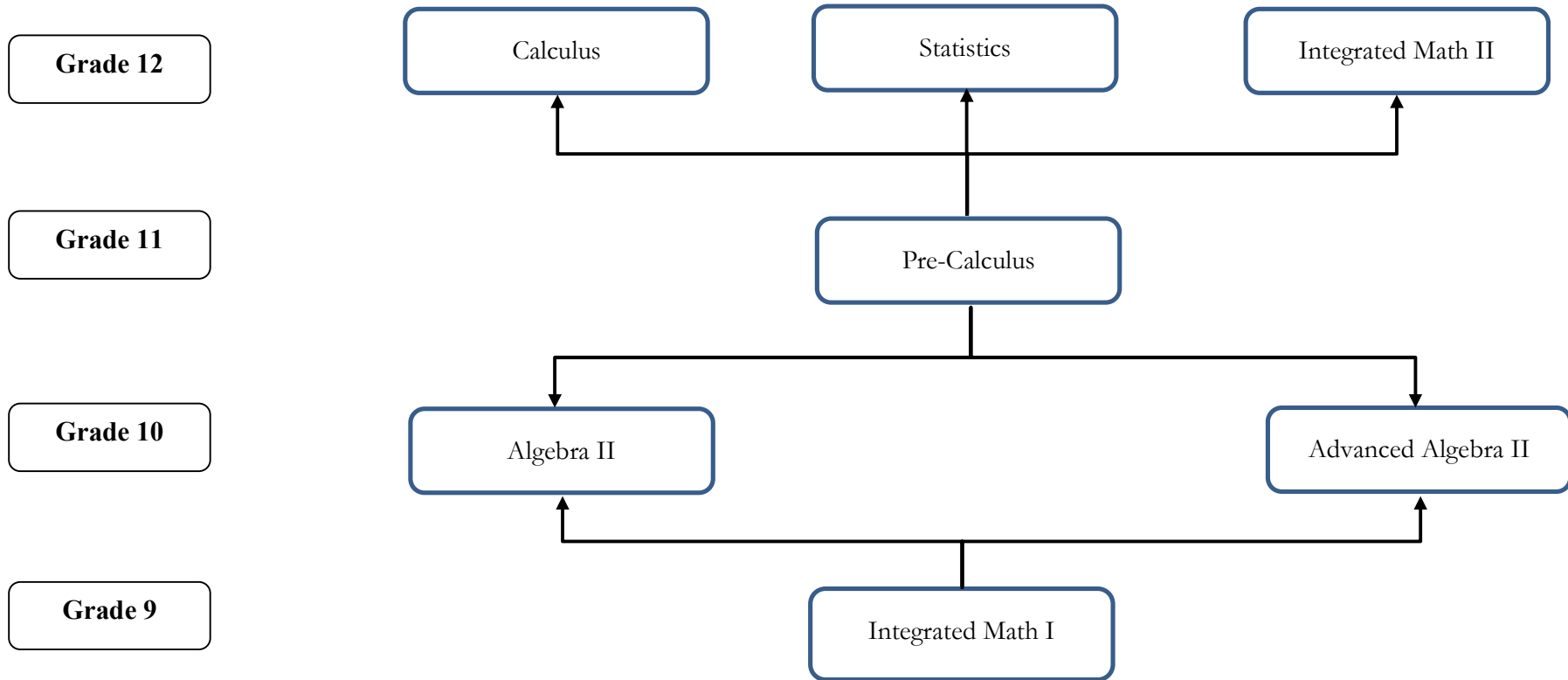
- Prerequisite : Grade 12 status
- Credit : 1.0
- Length of course : 1 year

AP Biology

The AP Biology course is designed to be the equivalent of a two- semester college introductory Biology course usually taken by Biology majors during their first year. Other students may have fulfilled a basic requirement for a laboratory- science course and will be able to undertake other courses to pursue their majors. The AP Biology course is designed to be taken by students after the successful completion of a first course of in high school Biology. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to lead critically with the rapidly changing science of Biology. This outline describes the three major areas: Molecules and Cells, Heredity and Evolution, Organisms and Populations.

- Prerequisite : Successful completion of Biology and teacher recommendation.
- Credit : 1.0
- Length of course : 1 year

Math Course Offerings



Math

Integrated Math I

The course expands on the concepts studied in both algebra and geometry. Course topics include quadrilaterals, polygons, volumes, systems of equations, similar triangles, matrices, transformations, polynomials, quadratic functions, right triangle trigonometry.

- Prerequisite : Pass Algebra I and Geometry (7, 8)
- Credit : 1.0
- Length of course : 1 year

Algebra II

The course includes absolute value inequalities, systems of equations in three variables, inverse matrices and Cramer's rule, quadratic inequalities, the remainder and factor theorem, exponential and logarithmic equations, rational functions, radical functions, conic sections, arithmetic and geometric sequences, trigonometric graphs and equations.

- Prerequisite : Pass Integrated Math I
- Credit : 1.0
- Length of course : 1 year

Pre- Calculus

This course provides the mathematical background needed for Calculus. Topics will include: review of basic terminology; techniques for finding algebraic solutions for various types of equations and inequalities; polynomial and rational functions; exponential and logarithmic functions; and trigonometric functions and equations.

- Prerequisite : Successful completion of Algebra 2
- Credit : 1.0
- Length of course : 1 Year

Integrated Math II

Integrated Math is designed as an enhancement course for topics in high school mathematics education. It will provide the students with math skills for future success in college mathematics and standardized tests. Reinforcement of topics from two and three dimensional. Geometry and trigonometry is integrated into this curriculum. Introductory instruction in the area of statistics and probability is provided also. Investigate linear and quadratic relationships, including comparing and contrasting different algebraic models.

- Prerequisite : Grade 12 status
- Credit : 1.0
- Length of course : 1 year

Statistics

Statistics presents basic concepts and techniques for collecting and analyzing data, drawing conclusions, and making predictions. Applications may be drawn from a wide variety of disciplines ranging from social sciences of psychology and sociology to education, health fields, business, economics, engineering, the humanities, the physical sciences, journalism, communications, and liberal arts. Students should be able to design an experiment, collect appropriate data, select and use statistical techniques to analyze the data, develop and evaluate inferences based on the data.

- Prerequisite : Grade 12 status
- Credit : 1.0
- Length of course : 1 year

Calculus

This course provides a preliminary review of pre-calculus, followed by limits and continuity. Topics include differentiation application of differentiation, integration and application on integration. This course is essential for students planning to apply Engineering and Computer Science Faculties.

- Prerequisite : Min B in Pre-Calculus and teacher recommendation
- Length of course : 1 year
- Credit : 1.0

Technology Course Offerings

Grade 11 / 12

Introduction to Programming,
Web Designing & Networking
Grades 11/ 12

Grade 10

Computer Science II
Grade 10

Grade 9

Computer Science I
Grade 9

Technology

Computer Science I (Grade 9)

This course enables students to understand the technological and computer concepts they need in order to design develop and build usable products and/or deliver services, and to pursue further technological education studies. Students will use the technological design process and a variety of tools and software to solve problems, complete projects, and strength their communication skills. The basic components of the course will include:

- Improving their typing skills
- Improving their searching skills
- Introduction to computer networks and internet
- Introduction to computer graphics
- Reviewing Microsoft office skills through projects

- Prerequisite : This is a required course for Grade 9 students
- Credit : ½
- Length of course : 1 year

Computer Science II (Grade 10)

Students learn the fundamental ideas of the science of computing. Lectures and hand-on assignments cover a wide variety of topics such as:

- Hardware and software organization
- How to use the internet
- MAC and IP address
- Web designing
- Design and a plan for program (flowcharts and pseudo code)
- Introduction to programming language

- Prerequisite : This is a required course for Grade 10 students
- Credit : ½
- Length of course : 1 year

Introduction to Programming, Web Designing and Networking

Students are introduced to a basic principles and concepts of object- oriented programming language using Python programming language, web designing and networking.

The Python unit will enable students to:

- Create a real-life program and a whole system using a functions and models.
- Test and debug their systems and create a testing report.
- Create a database and link it to their system using Python and Microsoft access.
- Create a final project; school system with its login verifications and database linked to it with authorized login username and password.

The web designing unit will enable students to:

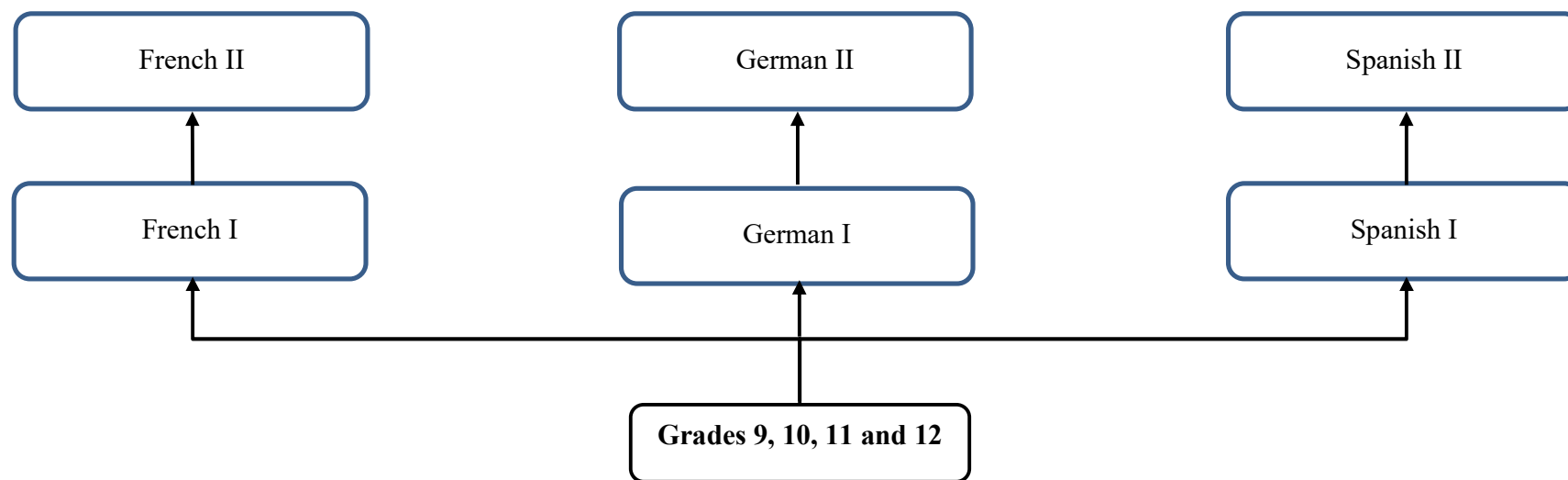
- Create a website using HTML codes.
- Use all the tags to add pictures, links and paragraphs.
- Change all the font styling through tags.
- Create their own online e-shopping website.

The networking unit will enable students to:

- Understand and describe the devices and services used to support communications in data networks and the internet.
- Understand and describe the role of protocol layers in data networks.
- Understand and describe the importance of addressing and naming school schemes at various layers of data networks.
- Explain fundamentals of Ethernet concepts such as media, services and operations.
- Build a simple Ethernet network using routers and switches.

- Prerequisite : Grade 11 or 12 status
- Credit : 1.0
- Length of course : 1 year

World Languages Course Offerings



Note: Course placement is based on teacher recommendation.

French

French I

This course focuses on developing the students' ability to communicate in French and their understanding of the culture(s) of francophone countries. Communicative competence is divided into three strands: speaking and writing as an interactive process in which students learn to communicate with another French speaker; listening and reading as receptive processes in which comprehension of French is developed; and speaking and writing in a presentational context in which students are focused on the organization of thoughts and an awareness of their audience in delivering information. In order to develop the three areas of communicative competence, study emphasis is placed on the use of French in the classroom as well as on the use of authentic materials to learn about the culture. An important component of French classes is the use of the French language beyond the classroom in order to apply knowledge of the language in the real world. Students learn to communicate in real-life contexts about topics that are meaningful to them.

- Prerequisite : Placement of Grade 9, 10, 11 or 12 students by teacher and/or testing.
- Credit : 1.0
- Length of course : 1 year

French II

This course emphasizes the further development of oral communication, reading, and writing skills. Students will build on and apply their knowledge of French while exploring a variety of themes, such as relationships, social trends, and careers. Thematic readings, which include a selection of short stories, articles, and poems, will serve as stepping stones to oral and written activities. Students will also be expected to listen as well as speak in these learning exercises. Students who successfully complete this course may be skilled enough to write the DELF A2 French proficiency test in order to obtain a diploma certifying their French language skills. DELF stands for "The Diplôme d'Études en langue Française," which is a certification of French Language abilities for non-native speakers of French. This is officially awarded by the French Ministry of Education.

- Prerequisite : Placement of Grade 9, 10, 11 or 12 students by teacher and/or testing.
- Credit : 1.0
- Length of course : 1 year

German

German I

This course focuses on developing the students' ability to communicate in German and their understanding of the culture(s) of German speaking countries. Communicative competence is divided into three strands: speaking and writing as an interactive process in which students learn to communicate with another German speaker; listening and reading as receptive processes in which comprehension of German is developed; and speaking and writing in a presentational context in which students are focused on the organization of thoughts and an awareness of their audience in delivering information. Students learn to

communicate in real-life contexts about topics that are meaningful to them. In order to develop the three areas of communicative competence, study emphasis is placed on the use of German in the classroom as well as on the use of authentic materials to learn about the culture. An important component of German classes is the use of the German language beyond the classroom in order to apply knowledge of the language in the real world.

- Prerequisite : Placement of Grade 9, 10, 11 or 12 students by teacher and/or testing.
- Credit : 1.0
- Length of course : 1 year

German II

This course emphasizes the further development of oral communication, reading, and writing skills. Students will build on and apply their knowledge of German while exploring a variety of themes, such as relationships, social trends, and careers. Thematic readings, which include a selection of short stories, articles, and poems, will serve as stepping stones to oral and written activities. Students will also be expected to listen as well as speak in these learning exercises. Students who successfully complete this course may be skilled enough to write the “Zertifikat Deutsch Fit A2” (Fit A2 German proficiency test) in order to obtain a diploma certifying their German language skills. This is a certification of German-Language abilities for non-native speakers of German and is officially awarded by the German Ministry of Education.

- Prerequisite : Placement of Grade 9, 10, 11 or 12 students by teacher and/or testing.
- Credit : 1.0
- Length of course : 1 year

Spanish

Spanish I

This course focuses on developing the students’ ability to communicate in Spanish and their understanding of the culture(s) of Spanish speaking countries. Communicative competence is divided into three strands: speaking and writing as an interactive process in which students learn to communicate with another Spanish speaker; listening and reading as receptive processes in which comprehension of Spanish is developed; and speaking and writing in a presentational context in which students are focused on the organization of thoughts and an awareness of their audience in delivering information. Students learn to communicate in real-life contexts about topics that are meaningful to them. In order to develop the three areas of communicative competence, study emphasis is placed on the use of Spanish in the classroom as well as on the use of authentic materials to learn about the culture. An important component of Spanish classes is the use of the Spanish language beyond the classroom in order to apply knowledge of the language in the real world.

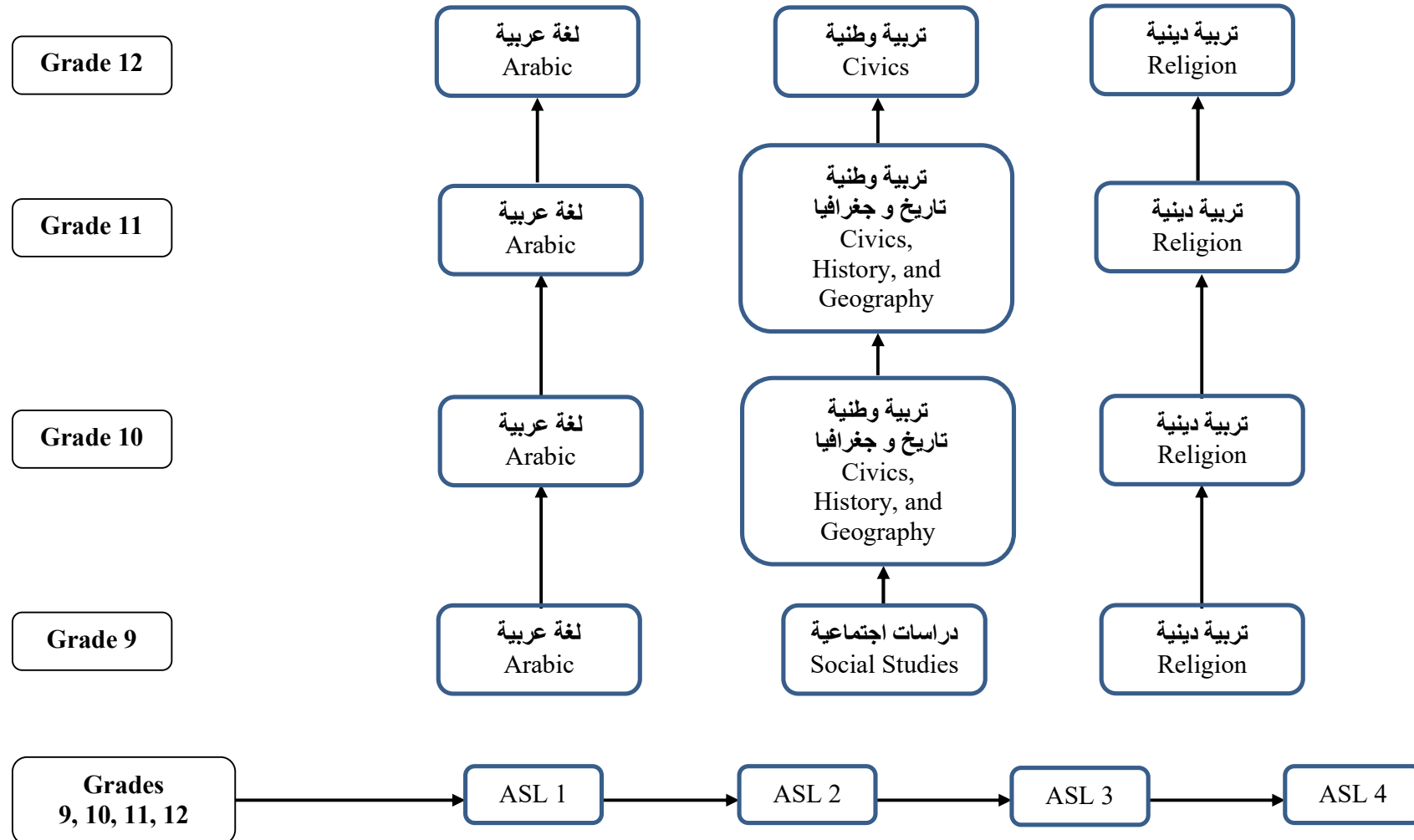
- Prerequisite : Placement of Grade 9, 10, 11 or 12 students by teacher and/or testing.
- Credit : 1.0
- Length of course : 1 year

Spanish II

This course emphasizes the further development of oral communication, reading, and writing skills. Students will build on and apply their knowledge of Spanish while exploring a variety of themes, such as relationships, social trends, and careers. Thematic readings, which include a selection of short stories, articles, and poems, will serve as stepping stones to oral and written activities. Students will also be expected to listen as well as speak in these learning exercises. Students who successfully complete this course may be skilled enough to write the DELE A1 or A2 Spanish proficiency test in order to obtain a diploma certifying their Spanish language skills. DELE stands for “Diploma de Espanol como Lengua Extranjera” which is a certification of Spanish Language abilities for non-native speakers of Spanish. This is officially awarded by the Spanish Ministry of Education and the Spanish worldwide cultural center: “The instiuto Cervantes”.

- Prerequisite : Placement of Grade 9, 10, 11 or 12 students by teacher and/or testing.
- Credit : 1.0
- Length of course : 1 year

Arabic, Social Studies Course Offerings



Arabic

Arabic & Religion 9, 10, 11, 12

The primary objective of this course is to enable students to use correctly the structures, lexicon, composition and poetry found in level appropriate texts. Another equally important objective is to reinforce the linguistic competence of the students through a systematic study of selected and level appropriate literary and cultural texts: short stories, plays, poetry, and newspaper articles.

Prerequisite : Native speaking Egyptian students who have successfully completed previous coursework in Modern Standard Arabic prior to Grade 9 and successfully complete in sequence each year of high school Arabic and Religion courses.

Credit : 1.0

Length of course : 1 year

Arabic as a Second Language 9, 10, 11, 12

Arabic as a Second Language (ASL) aims to enable students to master the four language arts (listening, speaking, reading and writing) through lessons which include activities and exercises that address multiple skill levels and which take into consideration individual differences. Students will also learn about various intellectual, political and social issues in an Arab society. At each grade level, every ASL class consists of four levels of study, depending on student skills:

Level I: At the end of this level, students should be able to differentiate between the sounds of letters, present themselves to others, draw letters and know the alphabetical order.

Level II: At the end of this level, students will be able to listen and understand speech, be able to use suitable sentences in suitable occasions, and will be able to describe familiar things, such as a house or a class.

Level III: At the end of this level, students will be able to understand a conversation using the vocabulary covered in class, and be able to speak correctly.

Level IV: Students who have achieved this level will begin working on assignments and material from the regular Arabic curriculum at NAC.

Prerequisite : Non-Egyptian students or students with dual citizenship who have obtained an exemption from taking the Egyptian Ministry Exams; and successful completion of each year of ASL study.

Credit : 1.0

Length of course : 1 year

Arabic Social Sciences

Social Studies (9)

According to the Egyptian Ministry of Education, this course covers the World Geography, with a special emphasis on India, Nigeria and Germany. As for the history, it covers Egypt from year 1453 – present.

Prerequisite : Success in grade 8
Credit : None
Length of course : 1 year

Arabic Social Science (10, 11)

According to the Egyptian Ministry of Education, students in this course will study History (Paranoiac, Greek and Roman) in Egypt, World Geography, and Civics.

Prerequisite : Success in grade 9
Credit : None
Length of course : 1 year

Civics (12)

The course will offer the students the knowledge and information related to the Egyptian revolution through the years and the history and the role of some of the famous Egyptian scientists and heroes.

Prerequisite : Success in grade 10 and 11
Credit : None
Length of course : 1 year

Fine Arts Course Offerings

Grade 11 / 12

Art and Design

Graphic Design

Grade 9 / 10

General Music

Dance

Introduction to Art & Design



Fine Arts

General Music (9, 10)

Students continue acquiring musical knowledge and skills by singing, playing instruments, performing rhythms, moving to music. Students explore music theory by:

- Reading music notation
- Basics of Music Production – Digital Audio Workstations – FL Studio

Students will declare a principal instrument and select a category to explore further:

- Piano
- Guitar
- Percussion
- Vocals

The Performance program will teach skills, concepts and methodology to show the appropriate level required in a professional performance. Students will also:

- Be guided to listen in private to the best composers and compositions
- Watch private and public performances to develop their knowledge
- Learn basics of reading music sheets (Notes, symbols and dynamics)
- Spend as much time practicing during their breaks or afterschool (in normal health conditions).
- Develop their abilities in performing on a music instrument
- Make solos as a part of the band
- Work with each other's in groups and pairs
- Be able to play different styles and genres of music
- Be guided to be self-disciplined and able to take criticism as well
- Be assisted to perform comfortably in front of an audience

To demonstrate expertise in these skills, students will perform together as a professional orchestra during any school event or live streaming through social media platforms.

- Prerequisite : None
- Credit : ½
- Length of course : 1 year

Dance (9, 10)

The proficient level of achievement for students in grades 9 & 10 can be attained at the end of one school year's study within the discipline of dance. By the end of the year, proficient 9-10 learners will acquire the following:

- Artistic perception: Processing, analyzing, and responding to sensory information through the language and skills unique to dance. Students perceive and respond, using the elements of dance. They demonstrate movement skills, process sensory information, and describe movement, using the vocabulary of dance.

- Creative Expression: Creating, performing, and participating in dance – Students apply choreographic principles, processes, and skills to create and communicate meaning through the improvisation, composition, and performance of dance.
- Connections, Relationships, Applications: Connecting and applying what is learned in dance to learning in other art forms and subject areas and to careers. Students apply what they learn in dance to learning across subject areas. They develop competencies and creative skills in problem solving, communication, and management of time and resources that contribute to lifelong learning and career skills. They also learn about careers in and related to dance.

- Prerequisite : None
- Credit : ½
- Length of course : 1 year

Introduction to Art & Design (9, 10)

This course includes the following:

- Painting – This will include independent study to enhance personal portfolios and to work with handmade paper techniques.
- Drawing – This will cover perspective, abstract cubism and surrealism. In addition, the advanced group will add drawings to their personal portfolios using several mediums like pencil shading and ink.

- Prerequisite : None
- Credit : ½
- Length of course : 1 year

Art and Design (11, 12)

This course includes the following:

- Drawing and Composition: An introduction to expressive drawing within a variety of media such as pencil shading, oil pastel and pencil colors. Students also learn the organization of structural relationships in two-dimensional space.
- Painting: An introduction to the painting materials and techniques of the medium along with various subjective problems involving form, color and composition.
- Design: The study of the basic design studio problems are investigated – art forms (such as zentangle, abstract, doodling and patterns), color, balance, pattern and texture.
- Life Drawing: Drawing and composition from the structure, proportions and movement of the human model and expressive exercises in a variety of media.
- Work on personal portfolio preparation, if desired. Additional focus will be on figurative drawings, human body, anatomy art, and portraits in different media.

- Prerequisite : Grade 11 or 12 status
- Credit : 1.0
- Length of course : 1 year

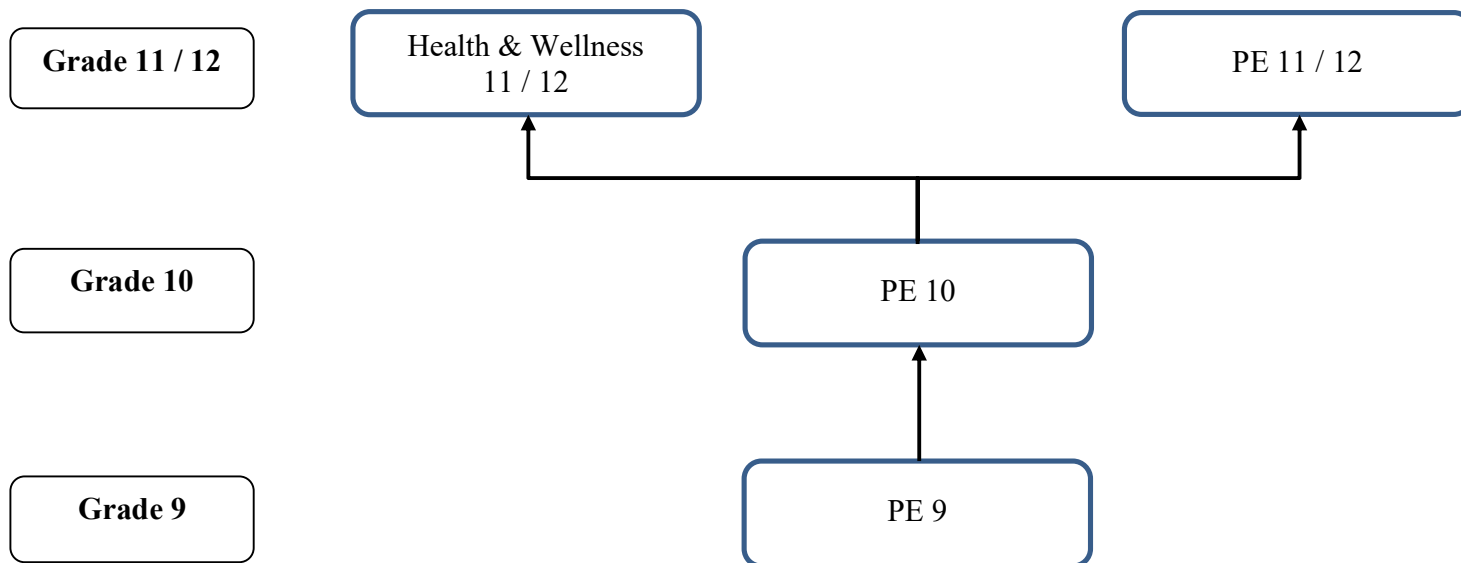
Graphic Design

This course is for students who would like to learn graphic design. We will go through different kinds of 2-D advertising materials such as: logos, posters, brochures, flyers, and packaging materials. In this course, students do not have to know the graphic programs which we are going to use (like Photoshop) as they are going to learn the program first and then practice it while applying their designs. Also the students will learn about color theory for painting and printing.

At the end of this course students will have good knowledge about design fundamentals in general and different kinds of advertising materials. They will have the ability to create new ideas and express them through graphic design elements such as colors, typography and shapes.

- Prerequisite : Grade 11 or 12 status
- Credit : 1.0
- Length of course : 1 year

Physical Education Course Offerings



Physical Education

PE 9

In Grade 9, students complete the transition from modified versions of movement forms to more complex applications across all types of physical activities – games, sports, dances and recreational pursuits. They demonstrate the ability to use basic skills, strategies, and tactics. Students demonstrate more specialized knowledge in identifying and applying key movement concepts and principles. They assess and develop a personal physical activity program aimed at improving their skill performance. They apply their understanding of personal fitness to lifelong participation in physical activity. Students demonstrate independence from others in making choices, respect all others, avoid conflict but are able to resolve it appropriately, and use elements of fair play and ethical behavior in physical activity settings. Students demonstrate the ability to plan and improve components of fitness and achieve and maintain a health-enhancing level of personal fitness.

- Prerequisite : Required for Grade 9
- Credit : ½
- Length of course : 1 year

PE 10

Students are proficient in all fundamental movement skills and skill combinations and are competent in self-selected physical activities that they are likely to participate in throughout life. They understand and apply key movement and fitness principles and concepts for all activities in which they demonstrate competence. Students are good leaders and good followers, respect others, and anticipate and avoid unsafe physical activity situations. They develop the ability to understand and anticipate how physical activity interests and abilities change across a lifetime. Students demonstrate competency in at least three lifetime physical activities and plan, implement, self-assess, and modify a personal fitness plan. Students are prepared to lead a physically active lifestyle.

- Prerequisite : Required for Grade 10
- Credit : ½
- Length of course : 1 year

PE 11, 12

This elective physical education course provides students with the opportunity to participate in physical activities for specific purposes. Options for offering specialized movement courses can be configured by quarter, by semester, or on a full-year basis. Students will select areas of concentration to study. Examples of possible choices are:

- Dance
- Basketball
- Soccer
- Volleyball

Through this course, students are required to do the following:

- Demonstrate mastery of movement skills and patterns that apply to the selected specialized-movement activity.
- Apply movement principles and concepts to skill performance of the selected specialized-movement activity.
- Achieve and maintain a health-enhancing level of physical fitness.
- Accept responsibility for taking a leadership role as well as demonstrate the ability to follow in order to accomplish group goals.
- Participate regularly in health-enhancing physical activities that contribute to personal enjoyment and the attainment and maintenance of their personal physical activity goal.

- Prerequisite : Grade 11 or 12 status
- Credit : ½ or 1 depending on duration
- Length of course : 1 year

Health and Wellness 11, 12

This course addresses topics related to healthful living and the development of positive self-esteem. Health classes will reinforce and introduce many principles related to physical education. Material is taught through a variety of methods, concentrating on group activities and discussions. Decision making skills and self discovery techniques are also presented. A number of topics are covered that are critical for understanding by this age group, including substance abuse, teen concerns, first aid, emotional health, and personal wellness.

- Prerequisite : Grade 11 or 12 status
- Credit : ½ or 1 depending on duration
- Length of course : 1 year