



Northern Secondary School

851 Mt. Pleasant Road
Toronto, Ontario M4P 2L5
(416) 393-0284

www.northern-secondary.com

GRADE 9 PROGRAM 2012-2013

Art

Visual Arts

AVI101 Open

This introductory course establishes a strong base for further studies in visual arts. Students will develop skills in drawing, painting, three-dimensional design (e.g. ceramics), material arts, design and illustration. The study of the elements and principles of design are a central focus for this course. In their study of art history, students will learn and use methods of analysis and criticism to understand historical developments from Prehistoric cave art, Egyptian and Greek art through to Canadian art. The focus for this course allows students to explore experiment and enjoy the arts.

Art Foundation Package

AVI103/AWT203 Open

This two course package consists of an intense Foundation course as described above and a specially designed drawing course. It is intended for those students who may be considering a career in Art and want a more concentrated study in their first year. The Drawing course provides an in-depth study of fundamental skills that will be of value in many other studio activities. Students use a variety of drawing subjects and techniques including representational, non-representational and experimental drawing modes.

Business

Information and Communication Technology in Business

BTT101 Open

This course introduces students to information and communication technology in a business environment and builds a foundation of digital literacy skills necessary for success in a technologically driven society. Students will develop word processing, spreadsheet, database, desktop publishing, presentation software, and website design skills. Throughout the course, there is an emphasis on digital literacy, effective electronic research and

communication skills, and current issues related to the impact of information and communication technology.

Drama

ADA101 Open

This course requires students to actively explore dramatic forms and techniques, using material from a wide range of authors, categories and cultures. Student learning will include constructing, communicating and analyzing drama, then reflecting on the experience to develop an understanding of themselves, the art form, and the world around them. It is excellent preparation for the six other drama courses offered in Grade 10, 11 and 12.

English

ENG1D1/6 Academic/Gifted

This course emphasizes the analytical reading, writing, oral communication, and thinking skills that students need for success in secondary school academic programs and their daily lives. Students will study and interpret texts from contemporary and historical periods including novels, short stories, plays, poems and short essays. They will also examine and create media works and will participate in an independent reading program. Spelling, punctuation, grammar and vocabulary development will be emphasized as part of the writing process. Organization and structure will be the focus in essay writing. Effective and consistent work habits will be stressed on a daily basis in personal and group work as well as short and long term assignments.

ENG1P1 Applied

This course emphasizes key reading, writing, oral communication, and thinking skills that students need for success in secondary school and their daily lives. Students will study novels, short stories, plays and poems from contemporary and historical periods. Students will also examine and create media works and will participate in an independent reading program. Spelling, punctuation, grammar and vocabulary development will be emphasized as part of the writing process. Organization and structure will be the focus

of expository writing. Effective and consistent work habits will be stressed on a daily basis in personal and group work as well as short and long term assignments.

ENG1L Locally Developed

This course provides foundational literacy and communication skills to prepare students for success in their daily lives, in the workplace, and in the English Grade 11 Workplace Preparation course. The course is organized by strands that develop listening, talking, reading, viewing, and writing skills. In all strands, the focus is on developing foundational literacy skills and in using language clearly and accurately in a variety of authentic contexts. Students develop strategies and put into practice the processes involved in talking, listening, reading, viewing, writing, and thinking, and reflect upon their growth in these areas.

Food and Nutrition

HFN1O1 Open

This course explores “the wonderful world of food”. Students learn how to make wise food choices while they plan, prepare and serve healthy meals and snacks for themselves and their families. Students learn about the nutritional value of food and discuss how that can be used to maintain healthy bodies. Body image and food advertising are also studied as part of a unit on evaluating diet and personal eating patterns.

Field trips to Kensington, St. Lawrence markets, and other places may be included depending upon availability and appropriateness. This experience is also used to introduce students to research skills related to foods, the food industry, global food issues as well as nutrition.

Students enjoy themselves while learning lifetime skills.

Geography

CGC1D1/6 Academic/ Gifted

This course explores Canada’s distinct and changing character and the geographic systems and relationships that shape it. Students will investigate the interactions of natural and human systems within Canada, as well as Canada’s economic, cultural, and environmental connections to other countries. Students will use a variety of geotechnologies and inquiry and communication methods to analyze and evaluate issues and present their findings.

CGC1P1 Applied

This course focuses on geographic issues that affect Canadians today. Students will draw on personal and everyday experiences to learn about Canada’s distinct and changing character and the natural and human systems and global influences that shape the country. Students will use a variety of geotechnologies and inquiry and communications methods to examine practical geographic questions and communicate their findings.

Guidance and Career Education

Learning Strategies 1: Skills for Success in Secondary School,

GLS101 Open

This course explores learning strategies and helps students become better, more independent learners while increasing their personal management skills, both in school and in other contexts. Students will learn how to develop and apply a range of strategies to improve their learning and achievement, particularly their literacy, numeracy, communication, and planning skills. This course will increase students’ confidence, motivation, and ability to learn.

Health & Physical Education

Healthy Active Living Education

PPL1OF (female) Open

PPL1OM (male) Open

This course emphasizes students’ daily participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Students will learn movement techniques and principles, ways to improve personal fitness and physical competence, and safety/injury prevention strategies. They will investigate issues related to healthy sexuality and the use and abuse of alcohol, tobacco and other drugs and will participate in activities designed to develop goal setting, communication and social skills.

Girls’ physical education activities include step aerobics, soccer, circuit and weight training, volleyball, basketball, swimming, softball, football, Ultimate Frisbee, and badminton.

Boys’ activities include baseball, soccer, rugby, football, Games of Low Organization, circuit and weight training, volleyball, basketball, ball hockey, badminton, wrestling, track, swimming and personal fitness.

Languages

FSF1P1 Applied

This course is for students who are interested in using French for practical purposes and in discovering various aspects of French societies. It is designed for students who have little or no knowledge or find the academic study of the language difficult.

This course emphasizes the development of oral communication skills integrated with reading and writing skills as they relate to the student’s everyday life. Students will expand their ability to understand, speak French through conversation, discussion, presentations, short reading and writing exercises.

FSF1D1 Academic

This course is for students who have successfully completed the grade eight Core French program and for students who had limited success in the grade eight Extended French program.

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.

The following language structures will be emphasized in the course: agreement of adjectives, object pronouns, *passé composé* of irregular verbs and the future tense.

FSF1DP Pre-Advanced Placement

This course is for students who would like an enriched program of study which continues through to the French Grade 12 Advanced Placement course. The same language structures and themes as in FSF1D1 may be emphasized, but the oral communication, reading and writing components are at a more advanced level. To be successful in this course, students should have a minimum mark of 75% in grade 8 French.

FSF2D3 Enriched

This course is for students who have completed at least grade 6 Immersion or grade 8 Extended French. The course is conducted entirely in French and emphasizes further development and consolidation of oral communication, reading and writing. Although this course is adapted for the needs of post-immersion and extended students, it is based on the grade 10 Core French curriculum. After this introductory course, students will continue in the Pre-Advanced Placement stream.

LWSBD1 Spanish, Level I – Academic

This course introduces students to the Spanish language and culture through a communicative approach, developing their speaking, reading and writing skills. Students will explore aspects of the culture of the various countries where Spanish is spoken, including social customs, music, and food, by participating in community-sponsored cultural events and activities involving both print and technological resources. Native speakers should consult with the Spanish teacher for appropriate placement.

LVLAD1 Latin, Level 1 – Academic

This course introduces students to the Latin language and the culture of the ancient Roman world. Students will learn vocabulary and grammar essential for reading and translating classical texts. They will also write phrases and sentences in Latin to consolidate their knowledge. Oral communication, including the proper pronunciation of Latin and the understanding of simple spoken Latin, will be emphasized. As they study the history and culture of Romans in the ancient world, students will

explore a variety of themes, using critical thinking skills in discussion, analysis and interpretation of texts, and in their own writing. Attention will also be paid to the relevance of the Latin language and Roman culture to law, science, and medicine in the modern world. The language of instruction is English.

Math

MF1P1 Applied

This course enables students to develop understanding of mathematical concepts related to introductory algebra, proportional reasoning, and measurement and geometry through investigation, the effective use of technology, and hands-on activities. Students will investigate real-life examples to develop various representations of linear relationships, and will determine the connections between the representations. They will also explore certain relationships that emerge from the measurement of three-dimensional objects and two-dimensional shapes. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Successful completion of this course prepares students for Foundations of Mathematics, Grade 10, Applied (MF2P). (Note: Students who wish to take Principles of Mathematics, Grade 10, Academic [MP2D] after completing this course will need to take a transfer course.) Learning through hands-on activities and the use of concrete examples is an important aspect of this course.

MP1D1 Academic

This course enables students to develop understanding of mathematical concepts related to algebra, analytic geometry, and measurement and geometry through investigation, the effective use of technology, and abstract reasoning. Students will investigate relationships, which they will then generalize as equations of lines, and will determine the connections between different representations of a relationship. They will also explore relationships that emerge from the measurement of three-dimensional objects and two-dimensional shapes. Students will reason mathematically and communicate their thinking as they solve multistep problems.

Successful completion of this course prepares students for Principles of Mathematics, Grade 10, Academic (MP2D) or Foundations of Mathematics, Grade 10, Applied (MF2P).

Learning through abstract reasoning is an important aspect of this course.

MP1D6 Gifted

This course covers the material in MP1D1 in greater depth and at a faster pace. Students also are given opportunities for enrichment and are encouraged to participate in the various mathematics competitions. The students in this course have been formally IPRC'd Gifted.

MPM1DP Enriched

This course is comparable to MPM1D6. It is intended for those students who have excellent ability in mathematics but who have not been formally IPRC'd Gifted. Acceptance into this course is based upon the recommendation of the Grade 8 Math Teacher. A separate application form is necessary.

MAT1L1 Locally Developed

This course emphasizes further development of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace and in the Grade 10 Locally Developed course. This course is organized by three strands related to money sense, measurement, and proportional reasoning. In all strands, the focus is on developing and consolidating key foundational mathematical concepts and skills by solving authentic, everyday problems. Students have opportunities to further develop their mathematical literacy and problem-solving skills and to continue developing their skills in reading, writing, and oral language through relevant and practical math activities.

Music

All music courses emphasize performance at a level that strikes a balance between challenge and skill and are aimed to develop technique, sensitivity and imagination. Students will participate in creative activities that teach them to listen with understanding. Their learning will also include theory and music history.

Music Band- Beginner

AMI1O2 Open

This course aims to teach students the basic skills required to play a brass, woodwind or percussion instrument.

Music Band- Experienced

AMI1O1 Open

This course is designed for the student who has previously studied a band instrument and has already developed a basic level of technical proficiency.

Guitar- Beginner

AMG102 Open

This course develops guitar techniques and the rudiments of music. Students learn to read music, play chords, and to develop techniques that can be used in playing classical and popular music. **Students must have their own guitars or be prepared to rent.**

*Experienced players have the option of taking AMG2O1.

Music Strings- Beginner

AMS1O2 Open

Students will learn the basic skills required to play one of the string instruments: violin, viola, cello or double bass.

Music Strings-Experienced

AMS1O1 Open

This course is designed for those who have previously studied a string instrument. They will develop their technique, higher positions and vibrato.

Music Vocal

AMV1O1 Open

This course aims to develop singing skills with special attention being given to the changing voice.

Science

SNC1D1/6 Academic/Gifted

This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, and physics, and to relate science to technology, society, and the environment. Throughout the course, students will develop their skills in the processes of scientific investigation. Students will acquire an understanding of scientific theories and conduct investigations related to sustainable ecosystems; atomic and molecular structures and the properties of elements and compounds; the study of the universe and its properties and components; and the principles of electricity.

SNC1P1 Applied

This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, and physics, and to apply their knowledge of science to everyday situations. They are also given opportunities to develop practical skills related to scientific investigation. Students will plan and conduct investigations into practical problems and issues related to the impact of human activity on ecosystems; the structure and properties of elements and compounds; space exploration and the components of the universe; and static and current electricity.

SNC1L1 Locally Developed

This course enables students to deepen their knowledge and understanding of the basic concepts in biology, chemistry, earth and space science, and physics; to develop practical skills in science investigation; and to apply their knowledge and skills to everyday situations. Students conduct investigations into practical problems and issues related to the impact of human activity on ecosystems, the structure and properties of elements and compounds, static and current electricity, and astronomy and space exploration. A variety of hands-on activities assist students to acquire concepts. Students will use different reporting strategies to facilitate the development of communications skills.

Technology

TIJ101 Open Exploring Technologies

This exploratory course introduces students to a variety of Technological Studies areas. It has an internal rotation between 3 or more teachers in different subject areas. Depending on the teacher subject areas available, students may spend time learning (CAD) Computer-Aided Drawing and design, Construction Technology, Transportation Technology, Communications Technology, Electronics, and Photography. Safety in shop areas and material handling is emphasized.

TGJ101 Open Exploring Communications Technology

We have now entered the Information Age! The Arts, Computers, Desktop Publishing, Computer Graphics, Computer Animation, Photography are all part of the challenge and excitement awaiting students who enter this field.

These multimedia are studied using an integration of design, development and communication of ideas through multimedia applications. Students develop skills and an understanding of the activities and the tools of media and popular culture including print, television and sound. Working in small groups, students produce a final presentation encompassing all course components.

Special Education Courses:

1. Deaf and Hard of Hearing

Learning Strategies

GLE10H

This course focuses on learning strategies to help students become more independent learners. Students will learn how to develop and apply literacy, numeracy, personal management, interpersonal and teamwork skills to improve their learning and achievement in school, the workplace, and the community. This course emphasizes key skills such as reading, writing, communication and thinking skills and helps students build confidence and motivation to pursue opportunities for success in secondary school and beyond.

2. Learning Disabilities

Students who are currently identified as exceptional with a learning disability by an Identification, Placement and Review Committee (I.P.R.C) with the TDSB qualify for ONE of the following programs:

A. Special Education Secondary-Learning Disabilities (formally known as the Core Instruction Program)

This program is available to IPRC'd students who are currently in a self-contained program at the elementary level and require intensive support to earn the compulsory

credits in English, Math, Science and Geography. These courses follow the Ministry guidelines at the applied level.

Instruction and evaluation practices, as well as teaching materials are modified to meet the individual needs of the students.

B. Learning Strategies 1: Skills For Success in Secondary School (GLE109)

This course focuses on learning strategies to help students become better, more independent learners. Students will learn how to develop and apply literacy and numeracy skills, personal management skills, and interpersonal and teamwork skills to improve their learning and achievement in school, the workplace, and the community. The course helps students build confidence and motivation to pursue opportunities for success in secondary school and beyond.

3. Gifted

Students who are in the Gifted Program must choose **ONE** of the following gifted Technological Interdisciplinary Studies courses. Each course is comprised of three units and a major independent study project which emphasizes initiative and personal organization.

A. TGJ106 Exploring Communications Technology

In this course communication through various media is explored. Units may cover such topics as the documentary, bias and propaganda, conflicts in literature, advertising, and/or introduction to film. A major independent study is required.

B. TDJ106 Exploring Design Technology

This course provides students with an understanding of the process of design. Units may cover such topics as photography, computer graphics, set design, visual art design and/or film design. A major independent study is required.

C. TIJ106 Exploring Technologies

In this course a combination of academic and practical skills are used to solve problems. Units may cover such topics as forensics, engine design, transportation technology, neuroscience, and/or electronics and robotics. A major independent study is required.

Please note: Students identified with a dual designation (Gifted/LD) and/or students with a gifted designation who require accommodations **must** select Learning Strategies I: Skills for Success in Secondary School (GLE106) on the Grade 9 Course Selection Sheet. Please call the Gifted Office at (416) 393-0284 ext. 20135 for a consultation about the needs of the student.

