



MAPLEWOOD

HIGH SCHOOL

BUILDING FUTURES

**COURSE SELECTION
INFORMATION
2013- 2014**

THE ARTS

ADA 20A/B Drama	This course provides opportunities for students to explore dramatic forms, conventions, and techniques. Students will explore a variety of dramatic sources from various cultures and representing a range of genres. Students will use the elements of drama in creating and communicating through dramatic works. Students will assume responsibility for decisions made in the creative and collaborative processes and will reflect on their experiences.
ADA 30A/B Drama	This course requires students to engage in dramatic processes and the presentation of dramatic works, and emphasizes the application of drama skills in other contexts and opportunities. Students will interpret and present works in a variety of dramatic forms, create and script original works, and critically analyse the processes involved in producing drama works. Students will develop a variety of skills related to collaboration and the presentation of drama works.
ADA 4EA/B Drama	This course requires students to create, present, and analyse a variety of dramatic works relevant to the workplace. Students will build trust and collaborative skills and develop self-confidence through hands-on experience and project-based learning in drama activities. Students will also explore skills related to the study of drama that can be applied in the workplace.
AEA3/40A/B Exploring the Arts	This course offers students the opportunity to explore connections between various art forms. Students will use the creative process individually and/or collaboratively to produce integrated art works that draw on various disciplines, and they will critically analyse art works and determine how interpreting these works affects their own development. Students will develop responsible practices that are transferable beyond the classroom. They will explore solutions to integrated arts challenges and discover that art is everywhere, influencing and reflecting society.
AMG 20A/B 30A/B Guitar	This is a beginner course in guitar. Students learn to read and use guitar chord charts and guitar tablature to play simple songs, and to develop techniques that can be used in playing classical and popular music. Students will progress through these courses at their own pace.
AMU 10A/B Music	This course emphasizes the creation and performance of music at a level consistent with previous experience and is aimed at developing technique, sensitivity, and imagination. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop an understanding of the conventions and elements of music and of safe practices related to music, and will develop a variety of skills transferable to other areas of their life.
AMU 20A/B Music	This course emphasizes the creation and performance of music at a level consistent with previous experience. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop their understanding of musical conventions, practices, and terminology and apply the elements of music in a range of activities. They will also explore the function of music in society with reference to the self, communities, and cultures.
AMU30A/B Music	This course develops students' musical literacy through performance and the preparation and presentation of music productions. Students will perform works at a level consistent with previous experience. Independently and collaboratively, students will use current technology and the creative and critical analysis processes to plan, produce, present, and market musical productions. Students will respond to, reflect on, and analyse music from

	various genres and periods, and they will develop skills transferable to other aspects of their life and their careers.
AMU4EA/B Music	This course provides students with the fundamental knowledge and skills needed to succeed in the music workplace. Students will, at a level consistent with previous experience, perform appropriate musical works. Independently and collaboratively, students will use current technology and the creative and critical analysis processes to plan, produce, and market music presentations that reflect a broad spectrum of workplace contexts. In addition, students will explore ethical and safe practices related to music.
AVI 10A Visual Art	This course is exploratory in nature, offering an overview of visual arts as a foundation for further study. Students will become familiar with the elements and principles of design and the expressive qualities of various materials by using a range of media, processes, techniques, and styles. Students will use the creative and critical analysis processes and will interpret art within a personal, contemporary, and historical context.
AVI 20A/B Visual Art	This course enables students to develop their skills in producing and presenting art by introducing them to new ideas, materials, and processes for artistic exploration and experimentation. Students will apply the elements and principles of design when exploring the creative process. Students will use the critical analysis process to reflect on and interpret art within a personal, contemporary, and historical context.
AVI 30A/B Visual Art	This course focuses on studio activities in one or more of the visual arts, including drawing, painting, sculpture, photography, printmaking, collage, and/or multimedia art. Students will use the creative process to create art works that reflect a wide range of subjects and will evaluate works using the critical analysis process. Students will also explore works of art within a personal, contemporary, historical, and cultural context.
AVI4EA/B Visual Art	This course focuses on a practical approach to a variety of art and design projects related to the workplace. Students will use the creative process to produce a traditional and/or digital portfolio of their work in a variety of media. Students may focus on various aspects of visual arts, including works for special events at school, ceramics, and group projects.
AWC20A/B, 30A/B Ceramics	Students will use clay to create expressive sculptural and functional pieces. The work and styles of traditional and contemporary potters and ceramists will be studied and applied during critiques and studio processes.
AWJ 30A/30B Stage Design	Students will learn some of the technical skills essential to the art of set and costume design. Students will design sets both in the classroom as models and drawings and on the school stage. Students will learn some historical and contemporary trends and styles in stage design throughout the world.

BUSINESS

BMX 3EA/B Marketing: Retail and Service	This course focuses on marketing activities in the retail and service sectors. Students will examine trends and global influences on marketing decisions, and will learn about the importance of customer service in developing a customer base and maintaining customer loyalty. Through hands-on learning, students will develop personal selling and information technology skills that will prepare them for a variety of marketing-related positions in the workplace.
BOG 4EA/B Business Leadership:	This course helps students prepare for managerial positions in their future careers. Students will focus on the development of core skills required to become a successful manager, including operations management, inventory control, marketing, financial planning,

Becoming a Manager	scheduling, and communication. Students will also explore the management challenges of hiring, training, and motivating employees, and complying with legal requirements.
BTA 30A/B ICT: The Digital Environment	This course prepares students for the digital environment. Using a hands-on approach, students will further develop information and communication technology skills through the use of common business software applications. The concept and operation of e-business will be explored, and students will design and create an e-business website. The skills developed in this course will prepare students for success in the workplace and/or postsecondary studies.
BTT 10A Business Studies	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.
BTT 20A ICT in Business	This course continues the introduction to 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.
BTT 20B Marketing	This course introduces students to marketing activities in the retail and service sectors. Students will examine trends and global influences on marketing decisions, and will learn about the importance of customer service in developing a customer base and maintaining customer loyalty. Through hands-on learning, students will develop personal selling and information technology skills that will prepare them for a variety of marketing-related positions in the workplace.
BTX 4EA/B ICT in the Workplace	This course provides students with the opportunity to apply their information and communication technology skills while working in a team environment. Through a project based approach, students will have opportunities to integrate common business software applications and apply multimedia techniques. Students will further develop their understanding of electronic business and e-commerce environments. The skills acquired in this course will prepare students for success in postsecondary studies and in their future careers.

THE ACADEMICS

CGC 1PA/B Geography	This course will review and as necessary, remediate and/or reteach, basic Canadian geography in relation to political divisions (capital and major cities, provinces and territories, international boundaries) and significant water bodies (oceans, lakes, rivers). It will also include a general overview of the human geography of Canada by attending to questions like: “Who are Canadians?”; “Where did they come from?”; “What differences in lifestyles are there across Canada?” If time permits this course will further build on students’ understanding of Canadian physical and human geography by exploring Canada’s place in the world and its relationship to other nations. Selected topics in human geography related to world issues such as poverty and child labour may be examined.
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CHC 2LA/B History	This course focuses on the connections between the student and key people, events, and themes in Canadian history from World War I to the present. Students practise reading, writing, visual, and oral literacy, and mathematical literacy skills to identify and communicate ideas in a variety of forms with a focus on identifying and interpreting events, perspectives and making connections. Students explore a variety of topics highlighting individuals and events that have contributed to the themes of Canadian identity, internal and external relationships, and changes since.
CHV 209 Civics	This course explores rights and responsibilities associated with being an active citizen in a democratic society. Students will explore issues of civic importance such as healthy schools, community planning, environmental responsibility, and the influence of social media, while developing their understanding of the role of civic engagement and of political processes in the local, national, and/or global community.
CLU 3EA/B Canadian Law	This course enables students to develop a practical understanding of laws that affect the everyday lives of people in Canada, including their own lives. Students will gain an understanding of the need for laws, and of their rights, freedoms, and responsibilities under Canadian law. Topics include laws relating to marriage, the workplace, cyber-bullying, and the processing of criminal offences. Students will apply the concepts of legal thinking and the legal inquiry process, and will begin to develop legal reasoning skills and an understanding of Canadian law.
ELS 20A/B Literacy Skills	This course is designed to help students strengthen essential reading and writing skills, providing them with the extra literacy support they need in order to communicate successfully. Students will read informational, graphic, and literary texts, with a focus on locating information, identifying main ideas and supporting details, building vocabulary, and consolidating skills in the application of key comprehension strategies. The course will also help students develop core learning strategies.
ENG 1LA/B English	This course will develop students' use of language in relation to reading, writing, speaking, listening, and viewing. In addition to developing language skills for personal use, language skills required in a variety of real life environments will be introduced. Students will learn to use oral language skills commonly associated with social and workplace situations. The course will also include non-fiction and fiction materials for personal enjoyment and to provide general information about the world around us. An examination of issues related to personal safety in the use of social media will be included.
ENG 2LA/B English	This course will extend student's literacy and communication skills to prepare for success in independent living and in the workplace. Students' will extend listening, speaking, reading, writing, and viewing skills. In all of these, using language accurately and clearly will be emphasized.
ENG 3EA/B	This course prepares students to use English for personal and employment purposes and to understand language of the workplace and independent living. Students will develop and practice language skills required in a variety of real life environments. Students will learn to use oral language skills commonly associated with social and workplace situations. There will be an emphasis on written language common to work and home life. The course will also include non-fiction and fiction materials for personal enjoyment and to provide general information about the world around us. An examination of issues related to personal safety in the use of social media will be included.
ENG 4EA/B English	This course will build on themes introduced in ENG3EA/B. It will emphasize the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in

	<p>the workplace and in daily life. Students will analyse informational, graphic, and literary texts and create oral, written, and media texts in a variety of forms for workplace-related and practical purposes. An important focus will be on using language accurately and organizing ideas and information coherently. The course is intended to prepare students for the workplace and active citizenship.</p>
<p>GLC 209 Career Studies</p>	<p>This course teaches students how to develop and achieve personal goals for future learning, work, and community involvement. Students will assess their interests, skills, and characteristics and investigate current economic and workplace trends, work opportunities, and ways to search for work. The course explores postsecondary learning and career options, prepares students for managing work and life transitions, and helps students focus on their goals through the development of a career plan.</p>
<p>MAT 1LA/B Mathematics</p>	<p>This course emphasizes further development of mathematical knowledge and skills to prepare students for success in their everyday lives and in the workplace. The 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.</p>
<p>MAT 2LA/B Mathematics</p>	<p>This course emphasizes the extension of mathematical knowledge and skills to prepare students for success in their everyday lives and in the workplace. This course is organized by three strands related to money sense, measurement, and proportional reasoning. In all strands, the focus is on strengthening and extending key foundational mathematical concepts and skills by solving authentic, everyday problems. Students have opportunities to extend 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.</p>
<p>MEL 3EA/B Mathematics for Work and Everyday Life</p>	<p>This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will develop and practice the numeracy and literacy skills required to read, understand, and use budget-related charts, tables and graphs. They will distinguish between “wants” and “needs” to make decisions about personal spending.</p>
<p>MEL 4EA/B Mathematics for Work and Everyday Life</p>	<p>This course builds on previous learning and basic numeracy skills to develop knowledge and understanding of budgeting for independent living. Numeracy skills will be applied to basic budgeting. Literacy skills will be practiced in relation to budgeting vocabulary, charts, and tables. Themes like budgeting, undertaken in MEL 3EA/B, will be revisited with a view to deepening understanding and exploring more sophisticated applications.</p>
<p>SNC 1LA/B Science</p>	<p>This course emphasizes reinforcing and strengthening science-related knowledge and skills including scientific inquiry, critical thinking and the relationship between science, society, and the environment in order to prepare students for success in everyday life and in the workplace. Science themes and topics will reflect students’ needs and capabilities in relation life science and/or physical science. Students have the opportunity to extend mathematical and scientific process skills and to continue developing their skills in reading, writing, and oral language through relevant and practical science activities.</p>
<p>SNC 2LA/B Science</p>	<p>This course emphasizes reinforcing and strengthening science-related knowledge and skills, including scientific inquiry, critical thinking, and the environmental impact of science and technology. Students explore a range of topics including life, physical, and/or environmental</p>

	science. Students have the opportunity to extend mathematical and scientific process skills and to continue developing their skills in reading, writing, and oral language through relevant and practical science activities.
SNC 4EA/B Science	This course is about human biology. Building on prior knowledge, this course will examine the systems of the human body. The overall goals are to increase students' understanding of their bodies from a scientific perspective, foster a better understanding of how to stay healthy, and enable them to have more meaningful discussions with health professionals like doctors and nurses.
SVN 3EA/B Environmental Science	This course provides students with the fundamental knowledge of and skills relating to environmental science that will help them succeed in work and life after secondary school. Students will explore a range of topics, including the impact of human activities on the environment; human health and the environment; energy conservation; resource science and management; and safety and environmental responsibility in the workplace. Emphasis is placed on relevant, practical applications and current topics in environmental science, with attention to the refinement of students' literacy and mathematical literacy skills as well as the development of their scientific and environmental literacy.

FAMILY STUDIES

HIF 10A Exploring Family Studies	This course explores, within the context of families, some of the fundamental challenges people face: how to meet basic needs, how to relate to others, how to manage resources, and how to become responsible members of society. Students will explore adolescent development and will have opportunities to develop interpersonal, decision-making, and practical skills related to daily life. They will learn about the diverse ways in which families function in Canada and will use research skills as they explore topics related to individual and family needs and resources.
HIF 20A Families and Parenting	This course continues to explore, within the context of families, some of the fundamental challenges people face: how to meet basic needs, how to relate to others, how to manage resources, and how to become responsible members of society. Students will explore adolescent development and will have opportunities to develop interpersonal, decision-making, and practical skills related to daily life. They will learn about the diverse ways in which families function in Canada and will use research skills as they explore topics related to individual and family needs and resources.
HIF 20B Sewing and Clothing	This course continues to explore, within the context of families, some of the fundamental challenges people face: how to meet basic needs, how to relate to others, how to manage resources, and how to become responsible members of society. Students will explore adolescent development and will have opportunities to develop interpersonal, decision-making, and practical skills related to daily life. They will learn about the diverse ways in which families function in Canada and will use research skills as they explore topics related to individual and family needs and resources.
HNL 20A/B Clothing	This course introduces students to the world of clothing. Students will gain knowledge about clothing and will demonstrate basic skills associated with techniques and technologies used to create garments and accessories. Students will learn about the functions of clothing and accessories and what clothing communicates about the wearer. They will learn how to enhance their personal wardrobe by assessing garment quality and will develop shopping strategies and an understanding of various retail formats. Students will develop research skills as they investigate topics related to clothing.

HPC 30A/B Raising Healthy Children	This course focuses on the skills and knowledge parents, guardians, and caregivers need, with particular emphasis on maternal health, pregnancy, birth, and the early years of human development (birth to six years old). Through study and practical experience, students will learn how to meet the developmental needs of young children, communicate with them, and effectively guide their early behaviour. Students will develop their research skills through investigations related to caregiving and child rearing.
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HEALTH AND PHYSICAL EDUCATION

PAF 30A/B Personal and Fitness Activities	This course emphasizes regular participation in a variety of enjoyable fitness activities that promote life-long healthy active living. Student learning will include the application of movement principles to refine their skills, participation in a variety of fitness activities (e.g. aerobics, weight training, fitness blast, fitness circuits, yoga, body pump, body combat, recreational games, etc.) that enhance personal competence and health, and examination of issues related to healthy living.
PAF 40A/B Personal and Fitness Activities	This course emphasizes regular participation in a variety of enjoyable fitness activities that promote life-long healthy active living. Student learning will include the application of movement principles to refine their skills, participation in a variety of fitness activities (e.g. aerobics, weight training, fitness blast, fitness circuits, yoga, body pump, body combat, recreational games, etc.) that enhance personal competence and health, and examination of issues related to healthy living.
PAR 30A/B Rhythm and Movement	This course emphasizes regular participation in a variety of rhythm and movement activities that promote life-long healthy active living. Students will experience the health-related values of fitness through dance, and explore the elements of technique, composition and performance of movement related to dance. Various dance forms including popular, jazz, folk and cultural, rhythmic and partner will be experienced.
PPL 10A/B Healthy Active Living	This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Students will learn movement skills and principles, ways to improve personal fitness and physical competence, and safety and injury prevention. 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.
PPL 20A/B Healthy Active Living	This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Student learning will include the application of movement principles to refine skills; participation in a variety of activities that enhance personal competence, fitness, and health; examination of issues related to healthy sexuality, healthy eating, substance use and abuse; and the use of informed decision-making, conflict resolution, and social skills in making personal choices.
PPL 30A/B Healthy Active Living	This course focuses on the development of a healthy lifestyle and participation in a variety of enjoyable physical activities that have the potential to engage students' interest throughout their lives. Students will be encouraged to develop personal competence in a variety of movement skills and will be given opportunities to practise goal-setting, decision-making, social, and interpersonal skills. Students will also study the components of healthy relationships, reproductive health, mental health, and personal safety.
PPL 40A/B Healthy Active Living	This course focuses on the development of a personalized approach to healthy active living through participation in a variety of sports and recreational activities that have the potential to engage students' interest throughout their lives. Students will develop and implement

	personal physical fitness plans. In addition, they will be given opportunities to refine their decision making, conflict-resolution, and interpersonal skills, with a view to enhancing their mental health and their relationships with others.
PPZ 30A/B Physical Education Leadership	This course helps students develop a personalized approach to healthy living. Students will examine the factors that affect their own health and the health of individuals as members of the community. They will learn about the components of the Vitality approach to healthy living, an initiative that promotes healthy eating, an active lifestyle, and a positive self-image. Throughout this course, students will develop the skills necessary to take charge of and improve their own health, as well as to encourage others to lead healthy lives.

TECHNOLOGICAL EDUCATION

TCJ 10A Exploring Construction Technology	This exploratory course introduces students to concepts and skills in construction technology, which encompasses plumbing, electrical wiring, masonry, heating/cooling, carpentry, and woodworking. Students will develop an awareness of related environmental and societal issues and will begin to explore secondary and postsecondary pathways leading to careers in the field.
TCJ 20A/B Construction Technology	This course introduces students to building materials and processes through opportunities to design and build various construction projects. Students will learn to create and read working drawings; become familiar with common construction materials, components, and processes; and perform a variety of fabrication, assembly, and finishing operations. They will use a variety of hand and power tools and apply knowledge of imperial and metric systems of measurement, as appropriate. Students will develop an awareness of environmental and societal issues related to construction technology, and will explore secondary and postsecondary pathways leading to careers in the industry.
TCJ 3EA/B Construction Technology	This course enables students to develop technical knowledge and skills related to carpentry, masonry, electrical systems, heating and cooling, and plumbing for residential construction. Students will gain hands-on experience using a variety of materials, processes, tools, and equipment to design, layout, and build projects. They will create and read technical drawings, learn construction terminology, interpret building codes and regulations, and apply mathematical skills as they develop construction projects. Students will also develop an awareness of environmental and societal issues related to construction technology, and will explore postsecondary and career opportunities in the field.
TCJ 4EA/B Construction Technology	This course enables students to further develop technical knowledge and skills related to residential construction and to explore light commercial construction. Students will continue to gain hands-on experience using a variety of materials, processes, tools, and equipment; and learn more about building design and project planning. They will expand their knowledge of terminology, codes and regulations, and health and safety standards related to residential and light commercial construction. Students will also expand their awareness of environmental and societal issues and will explore entrepreneurship and career opportunities in the industry that may be pursued directly after graduation.
TFB 3EA/B Hospitality and Tourism: Baking	This course provides students with an in-depth knowledge of the baking industry. Skills in dessert preparation, decoration, breads, rolls, pies, cakes, pastries, fillings, puddings and icings, shop glossary, nutrition, and a study of raw products are covered in this course.
TFB 4EA/B Hospitality and Tourism: Baking	This course provides students with an in-depth knowledge of the baking industry. Skills in dessert preparation, decoration, breads, rolls, pies, cakes, pastries, fillings, puddings and icings, shop glossary, nutrition, and a study of raw products are covered in this course.

TFC 3EA/B Hospitality and Tourism: Cooking	This course focuses on all facets of kitchen operation. Receiving and food storage are emphasized. Students prepare soups, stocks, and sauces and are taught how to cook pasta, rice, vegetables, and a variety of international dishes. Good cleaning practices and work habits are stressed.
TFC 4EA/B Hospitality and Tourism: Cooking	This course focuses on all facets of kitchen operation. Receiving and food storage are emphasized. Students prepare soups, stocks, and sauces and are taught how to cook pasta, rice, vegetables, and a variety of international dishes. Good cleaning practices and work habits are stressed.
TFJ 10A Exploring Hospitality and Tourism: Cooking	This exploratory course introduces students to concepts and skills related to hospitality and tourism, focusing on the areas of food handling, food preparation, and the origins of foods, event planning, and local tourism. Students will develop an awareness of related environmental and societal issues and will begin to explore secondary and postsecondary pathways leading to careers in the field.
TFJ 10B Exploring Hospitality and Tourism: Baking	This exploratory course introduces students to concepts and skills related to hospitality and tourism, focusing on the areas of food handling, food preparation, the origins of foods, event planning, and local tourism. Students will develop an awareness of related environmental and societal issues and will begin to explore secondary and postsecondary pathways leading to careers in the field.
TFJ 20A Hospitality and Tourism: Cooking	This course provides students with opportunities to explore different areas of hospitality and tourism, as reflected in the various sectors of the tourism industry, with an emphasis on food service. Students will study culinary techniques of food handling and preparation, health and safety standards, the use of tools and equipment, the origins of foods, and event planning, and will learn about tourism attractions across Ontario. Students will develop an awareness of related environmental and societal issues, and will explore secondary and postsecondary pathways leading to careers in the tourism industry.
TFJ 20B Hospitality and Tourism: Baking	This course provides students with opportunities to explore different areas of hospitality and tourism, as reflected in the various sectors of the tourism industry, with an emphasis on food service. Students will study culinary techniques of food handling and preparation, health and safety standards, the use of tools and equipment, the origins of foods, and event planning, and will learn about tourism attractions across Ontario. Students will develop an awareness of related environmental and societal issues, and will explore secondary and postsecondary pathways leading to careers in the tourism industry.
TGJ 30A/B Communications Technology, Broadcast and Print Production	This course enables students to develop knowledge and skills in the areas of graphic communication, printing and publishing, audio and video production, and broadcast journalism. Students will work both independently and as part of a production team to design and produce media products in a project-driven environment. Practical projects may include the making of signs, yearbooks, video and/or audio productions, newscasts, and documentaries. Students will also develop an awareness of related environmental and societal issues, and will explore secondary and postsecondary education and training pathways and career opportunities in the various communications technology fields.
TGJ40A/B Communications Technology, Digital Imagery and Web Design	This course enables students to develop knowledge and skills in the areas of digital imaging, animation, 3D modelling, and web design. Students will work both independently and as part of a production team to design and produce media products in a project-driven environment. Students will also expand their awareness of environmental and societal issues related to communications technology, and will explore training, and career opportunity.

THJ 20A/B Green Industries	This course introduces students to the various sectors of the green industries C agriculture, forestry, horticulture, floristry, and landscaping. Using materials, processes, and techniques commonly employed in these industries, students will participate in a number of hands-on projects that may include plant or animal propagation; production, maintenance, and harvesting activities; the development of floral or landscaping designs; and/or related construction activities. Students will also develop an awareness of environmental and societal issues related to green industry activities, learn about safe and healthy working practices, and explore secondary and postsecondary education and training pathways and career opportunities in the various industry sectors.
THJ 3EA/B Green Industries	This course enables students to develop knowledge and skills related to agriculture, floristry, forestry, horticulture, and landscaping. Students will learn to identify a broad range of plant and animal species; examine factors that affect the growth of plants and animals and the quality of products derived from them; and develop process, design, and maintenance skills required in the green industries. Students will also learn about safe and healthy working practices, develop an awareness of environmental and societal issues related to green industry activities, and learn about apprenticeships and other postsecondary education and training opportunities, as well as employment opportunities that may be pursued directly after graduation.
THJ 4EA/B Green Industries	This course enables students to gain further experience with a variety of industry procedures and operations and to acquire additional industry-specific skills. Students will study more complex processes, develop more advanced design and maintenance skills, and explore ways of enhancing environmental sustainability. They will also examine social and economic issues related to the green industries, learn about safe and healthy working practices, study industry standards and codes, and explore career opportunities in the various industries. The knowledge and skills acquired in this course will prepare students for the workplace and apprenticeship training.
TIJ 10A Exploring Technologies	This course enables students to further explore and develop technological knowledge and skills introduced in the elementary science and technology program. Students will be given the opportunity to design and create products and/or provide services related to the various technological areas or industries, working with a variety of tools, equipment, and software commonly used in industry. Students will develop an awareness of environmental and societal issues, and will begin to explore secondary and postsecondary education and training pathways leading to careers in technology-related fields.
TTJ 10A Exploring Transportation Technology	This exploratory course introduces students to concepts and skills related to transportation technology, which encompasses the maintenance, servicing, and repair of various types of vehicles, aircraft, and/or watercraft. Students will develop an awareness of related environmental and societal issues and will begin to explore secondary and postsecondary pathways leading to careers in the field.
TTJ 20A/B Transportation Technology	This course introduces students to the service and maintenance of vehicles, aircraft, and/or watercraft. Students will develop knowledge and skills related to the construction and operation of vehicle/craft systems and learn maintenance and repair techniques. Student projects may include the construction of a self-propelled vehicle or craft, engine service, tire/wheel service, electrical/battery service, and proper body care. Students will develop an awareness of related environmental and societal issues, and will explore secondary and postsecondary pathways leading to careers in the transportation industry.

TTJ 30A/B Transportation Technology: Vehicle Ownership	Students will work in a project-based classroom, exploring many basic automobile service procedures with an emphasis on 4-cycle engines. Issues of registration, the legal requirements, emergency procedures and the responsibilities of being a vehicle owner will be explored. Students will develop an awareness of environmental and societal issues related to vehicle ownership and use, and will explore career opportunities in the transportation industry.
TWJ 3EA/B Custom Woodworking	This course enables students to develop knowledge and skills related to cabinet making and furniture making. Students will gain practical experience using a variety of the materials, tools, equipment, and joinery techniques associated with custom woodworking. Students will learn to create and interpret technical drawings and will plan, design, and fabricate projects. They will also develop an awareness of environmental and societal issues related to the woodworking industry, and will explore apprenticeships, postsecondary training, and career opportunities in the field that may be pursued directly after graduation.
TWJ 4EA/B Custom Woodworking	This course enables students to further develop knowledge and skills related to the planning, design, and construction of residential and/or commercial cabinets and furniture. Students will gain further experience in the safe use of common woodworking materials, tools, equipment, finishes, and hardware, and will learn about the entrepreneurial skills needed to establish and operate a custom woodworking business. Students will also expand their awareness of health and safety issues and environmental and societal issues related to woodworking, and will explore career opportunities that may be pursued directly after graduation.
TXJ 10A Exploring Hairstyling and Aesthetics	This exploratory course introduces students to concepts and skills related to hairstyling and aesthetics, including hair, nail, and skin care applications. Students will develop an awareness of related environmental and societal issues and will begin to explore secondary and postsecondary pathways leading to careers in the field.
TXJ 20A/B Hairstyling and Aesthetics	This course presents hairstyling, make-up, and nail care techniques from a salon/spa perspective. Using materials, processes, and techniques used in the industry, students learn fundamental skills in hairstyling, giving manicures and facials, and providing hair/scalp analyses and treatments. Students will also consider related environmental and societal issues, and will explore secondary and postsecondary pathways leading to careers in the field of hairstyling and aesthetics.
TXJ 3EA/B Hairstyling and Aesthetics	This course enables students to develop knowledge and skills in cosmetology and offers a variety of applications. Students will identify trends in the hairstyling and aesthetics industry, learn about related health and safety laws, and expand their communication and interpersonal skills through interactions with peers and models. Students will also consider environmental and societal issues related to the industry, and will acquire a more detailed knowledge of apprenticeships and direct-entry work positions.
TXJ 4EA/B Hairstyling and Aesthetics	This course enables students to develop increased proficiency in a wide range of hairstyling and aesthetics services. Working in a salon/spa team environment, students will strengthen their fundamental cosmetology skills and develop an understanding of common business practices and strategies in the salon/spa industry. Students will also expand their understanding of environmental and societal issues and their knowledge of postsecondary destinations in the hairstyling and aesthetics industry.