

Grade 9

Applied Skills ADST Drafting 9

An introductory course in drafting technique, including dimensioning and standards; drafting styles, including perspective, mechanical, and architectural; CADD/CAM, CNC and 3D printing; function of models; basic code; digital output devices; virtual creation using CAD/CAM.

MADD-09

Grade 9
Credits 0

Applied Skills ADST Textiles 9

Textiles 9 is an ADST course that focuses on basic techniques for textile creation and altering of patterns, including design principles, First Peoples traditional and current textile knowledge and practices, and environmental and ethical considerations of textile choices.

MADT-09

Grade 9
Credits 0

Applied Skills Electronics and Robotics 9

This ADST course is an introduction to electronics related to robotics, including production of simple circuits, elements of programming, and use of diagnostic and testing equipment.

MADER09

Grade 9
Credits 0

Applied Skills Food Studies 9

Emphasis is on the development of basic skills and the use, care and safety of foods equipment.

MADFS09

Grade 9
Credits 0

Applied Skills Information & Communication Technologies 9

This is an introductory course in information technology designed to teach students the skills necessary to: Work with Microsoft Office (Word, PowerPoint, Excel, Access, Develop Animations with Macromedia (FLASH MX). Develop Web Pages and Websites with Macromedia Studio MX. Use the Internet effectively and appropriately for research. Understand the social implications of computer Networks.

MADIT09

Grade 9
Credits 0

Applied Skills Metalwork 9

This is an entry level course available to students in grade nine or ten. Students will be instructed in the safe operation of machine and hand tools to manufacture products. There will be a component of metalwork theory and students will be encouraged to learn about the tools and processes in which they are involved.

MADM-09

Grade 9
Credits 0

Applied Skills Power Mechanics 9

An introductory course which explores energy transmission and applications; efficiency, including energy loss in the form of thermal energy; thermodynamics; types of fuels and methods of converting fuels to mechanical energy; alternative energy sources; small engine systems; mechanical measurement devices; power technology hand tools; effects of forces on devices; manuals as information sources.

MADPT09

Grade 9
Credits 0

Applied Skills Woodwork 9

This is an introductory woodworking course for students, you will learn about the different tools and machines and how to use them safely. You will have the opportunity to make various projects out of wood.

MADW-09

Grade 9
Credits 0

Grade 10

Applied Skills Computer Studies 10

This course is a continuation of Info. Tech. 9. Students will gain experience in the following: 1. Desktop Publishing with InDesign 2. Animation with Flash Professional 3. Image Creation and Editing with Photoshop Extended 4. Programming with Flash professional 5. Web Graphic Creation with Fireworks 6. Website Design and deployment with Dreamweaver/Flash 7. Game Production with Flash Professional.

MCSTU10

Grade 10
Credits 4

Applied Skills Culinary Arts 10-Distance Learning (CEAP)

Distance Learning Course

Culinary Arts 10 is an ADST course and an introduction to culinary arts, including the components of cooking methodology, best practices of culinary professionalism, and knowledge needed to work in a commercial kitchen.

MCUL-10DL

Grade 10
Credits 4

Applied Skills Drafting 10

Drafting 10 is an ADST course that focuses on project development and design using standards and conventions for manual and computer-aided drafting (CAD) and modelling with computer-aided manufacturing (CAM) software.

MTDRF10

Grade 10
Credits 4

Applied Skills Electronics and Robotics 10

Electronics and Robotics 10 is an ADST course and an introduction to electronics related to robotics, including production of simple circuits, elements of programming, and use of diagnostic and testing equipment

MTEAR10

Grade 10
Credits 4

Applied Skills Food Studies 10

Food Studies 10 is an ADST course that focuses on meal preparation, eating practices, and well-being; food systems and nutritional trends; First Peoples food protocols.

MFOOD10

Grade 10
Credits 4

Applied Skills Jewelry 10

Students will design and build a variety of metal jewelry including rings, bracelets, necklaces, earrings, as well as jewelry boxes, sculptures, key fobs, picture frames, wall art, and belt buckles. Students will learn the processes involved in working with metals; designing, cutting, shaping, and texturing to create a quality finished product. Students will have opportunity to design/create many of their own projects. Grades: 9-12 No prerequisite needed.

MIDS-OAAM

Grade 10
Credits 4

Applied Skills Metalwork 10

This is an entry level course available to students in grade nine or ten. Students will be instructed in the safe operation of machine and hand tools to manufacture products. There will be a component of metalwork theory and students will be encouraged to learn about the tools and processes in which they are involved.

MTMET10

Grade 10
Credits 4

Applied Skills Power Technology 10: Mechanics

Power Technology 10 is an ADST course that focuses on power and energy transfer systems. Learning includes automotive systems, assembly and disassembly, energy transmission, and alternative energy sources.

MTPOW10

Grade 10
Credits 4

Applied Skills Textiles 10

Textiles 10 is an ADST course that focuses on basic techniques for textile creation and altering of patterns, including design principles, First Peoples traditional and current textile knowledge and practices, and environmental and ethical considerations of textile choices.

MTXT-10

Grade 10
Credits 4

Applied Skills Woodwork 10

Woodwork 10 is an ADST course that focuses on design and production of complex projects using both portable and stationary tools. Learning includes historical and cultural influences on woodworking practices.

MWWK-10

Grade 10
Credits 4

Grade 11

Applied Skills Textiles 11

This course focuses on simple textile design and creation, techniques in pattern modification, and repurposing of textile items. Learning includes the principles of design and textile functionality, use of symbolism in textile prints, and the economical and ethical factors involved in textile production, marketing, and consumption.

MTXT-11

Grade 10
Credits 4

Applied Skills Automotive Technology 11

This course is an introduction to automotive systems and complex energy transfer systems. Learning includes vehicle systems, automotive tools, fundamentals of engine operation, and simple methods of repair and maintenance.

MTAUT11

Grade 11
Credits 4

Applied Skills Carpentry and Joinery 11

In this course students will further explore operations within the woodworking area. There will be compulsory project and the students will also build a project of their choice. Difficulty and complexity of the project will be greater than that of the prerequisite course. Therefore, design, sketching, and measured drawings will also be more complex. Materials lists, board measurement and project procedure lists will also be explored.

MCJ--11

Grade 11
Credits 4

Applied Skills Computer Info Systems 11

This course focuses on evaluation and implementation practices related to computer hardware, software, and networks. Learning includes network management tools, troubleshooting techniques, and digital security awareness.

MCINF11

Grade 11
Credits 4

Applied Skills Computer Programming 11

This course is an introduction to complex computer programming with a focus on the study and modification of existing code and formalization of computational thinking concepts.

MCMPR11

Grade 11
Credits 4

Applied Skills Digital Communications 11

This course focuses on how to use digital communication tools, strategies, and development processes to communicate on the web, in social media, and for the purposes of digital marketing.

MDCOM11

Grade 11
Credits 4

Applied Skills Drafting 11

This course combines learning related to simple drafting design processes and technologies with problem solving. Learning includes applications of mathematical concepts in measurement, geometry, trigonometry, and algebra.

MTDRF11

Grade 11
Credits 4

Applied Skills Food Studies 11

This course focuses on meal design and preparation, recipe modification, and food systems and security. Learning includes exploration of First Peoples food guides, Canadian food labelling guidelines, and how food promotion and marketing practices impact diverse groups of people.

MFOOD11

Grade 11
Credits 4

Applied Skills Food Studies 11- Distance Learning (CEAP)

Distance Learning Course

This course focuses on meal design and preparation, recipe modification, and food systems and security. Learning includes exploration of First Peoples food guides, Canadian food labelling guidelines, and how food promotion and marketing practices impact diverse groups of people.

MFOOD11DL

Grade 11
Credits 4

Applied Skills Graphic Production 11 - Yearbook

Graphic Production 11 combines learning related to graphic design and product development, including the use of standards-compliant technologies, techniques for image development, and the influence of graphic production on culture.

MGRPR11

Grade 11
Credits 4

Applied Skills Media Technology 11

A continuation of MVAM-10 with more focused attention on: Building Adobe Photoshop Skills and video editing with Adobe Premiere; Developing series of photographic works towards building a personal style; Developing a critical eye when viewing photographs, videos and films through the process of reflective journaling.

MVAMT11

Grade 11
Credits 4**Applied Skills Metalwork 11**

This course focuses on simple metalworking and design projects. Learning includes welding and cutting, qualities of metals and alloys, fastening methods, and use of stationary equipment.

MTMET11

Grade 11
Credits 4**Applied Skills Photography 11**

Students focus on refining photographic materials, technologies, and processes in new (e.g., digital) and traditional (e.g., darkroom) ways. Students develop photographic skills, selecting and combining image making technologies in sophisticated ways. They will learn about reflecting the interconnectedness of the individual, community, history and society through photography. Students will also begin exploring photographic related careers.

MVAPH11

Grade 11
Credits 4**Applied Skills Photography 11-Distance Learning (CEAP)**

Students focus on refining photographic materials, technologies, and processes in new (e.g., digital), and traditional (e.g., darkroom) ways. Students develop photographic skills, selecting and combining image making technologies in sophisticated ways. They will learn about reflecting the interconnectedness of the individual, community, history and society through photography. Students will also begin exploring photographic related careers.

MVAPH11DL

Grade 11
Credits 4**Applied Skills Robotics 11**

This course introduces simple robotics design and production, and related technical and programming elements. Learning includes interactions of subsystems, logic, mechanics, and components.

MTROB11

Grade 11
Credits 4

Grade 12

Applied Skills Art Metal & Jewellery 12

This course combines refined metalworking techniques with artistic elements of jewellery design. Learning includes advanced and detailed forms of casting, carving, welding, and use of high-value materials. Students also explore career opportunities in metalworking and jewellery creation and interpersonal and consultation skills related to client interactions.

MTAMJ12

Grade 12
Credits 4**Applied Skills Automotive Technology 12**

This course focuses on advanced concepts in automotive technologies, including mechanical systems, inspection and diagnostic methods, and serviceability, overhaul, and repair. Students also learn about career opportunities and interpersonal skills related to customer interactions.

MTAUT12

Grade 12
Credits 4**Applied Skills Carpentry and Joinery 12**

This course further explores topics that were covered in CJ 11. Further emphasis will be placed on woodworking skills with the related safety issues.

MCJ--12

Grade 12
Credits 4**Applied Skills Computer Info Systems 12**

This course addresses installation, maintenance, and support of large scale networks. Learning includes design requirements of diverse devices and equipment, network management tools and security, and emerging technologies.

MCINF12

Grade 12
Credits 4

Applied Skills Computer Programming 12	MCMPR12	Grade 12
This course focuses on the development and documentation of advanced programming structures using the processes and workflows of programming professionals.		Credits 4
Applied Skills Digital Media Development 12	MDMD-12	Grade 12
This course focuses on design with 2D, 3D, audio, and video digital media tools and techniques, including methods and principles of 3D graphic design and desktop video production.		Credits 4
Applied Skills Drafting 12	MTDRF12	Grade 12
This course focuses on advanced design processes, components, and relationships, including skills and content related to applications in specialized areas, such as architectural, civil, mechanical, and structural drafting. Students also learn about future career options and interpersonal and consultation skills related to client interactions.		Credits 4
Applied Skills Engine & Drive Train 12	MTEAD12	Grade 12
This course addresses engine design, maintenance, and repair, focusing on the series of related engine and drivetrain systems. Learning includes engine performance, enhancement, diagnostics, and hybrid and alternative fuel vehicles. Students also explore career opportunities in this field and interpersonal skills related to client interactions.		Credits 4
Applied Skills Food Studies 12	MFOOD12	Grade 12
This course addresses complex recipe and multi-course meal design and preparation. Learning includes food justice topics, indigenous food sovereignty of peoples around the world, and future career opportunities in food services and production.		Credits 4
Applied Skills Food Studies 12-Distance Learning (CEAP)	MFOOD12DL	Grade 12
Distance Learning Course		Credits 4
This course addresses complex recipe and multi-course meal design and preparation. Learning includes food justice topics, indigenous food sovereignty of peoples around the world, and future career opportunities in food services and production.		
Applied Skills Furniture & Cabinetry 12	MTFAC12	Grade 12
This course introduces specialized design and methods in the construction of furniture and cabinetry. Learning includes standard sizing for specific applications, traditional decorative techniques, and use of non-wood and reclaimed materials. Students also explore career opportunities and interpersonal and consultations skills related to client interactions.		Credits 4
Applied Skills Machining & Welding 12	MTMAW12	Grade 12
This course focuses on machining and welding processes and techniques in industry. Learning includes measurement, documentation, and use of computer-aided design and manufacturing equipment. Students also explore career opportunities in this field and interpersonal related to client interactions.		Credits 4
Applied Skills Media Technology 12	MVAMT12	Grade 12
In this course students will continue to work on the creation and manipulation of images and sound; focus time on building skills in an area of interest whether it is Digital Photography, Digital Video or dynamic multimedia web development. The goal of the course is for the student to build a portfolio of work both individual and collaborative that will enable them to pursue further education in the area.		Credits 4

Applied Skills Metalwork 12

This course focuses on advanced design, processes, and methods employed in metalwork projects. Learning includes finishing processes; casting methods; operation, maintenance, and adjustment of stationary powered and non-powered equipment; and areas of metal specialization. Students also explore career opportunities in this field and interpersonal and consultation skills related to client interactions.

MTMET12

Grade 12
Credits 4**Applied Skills Photography 12**

Students focus on refining photographic materials, technologies, and processes in new (e.g., digital), traditional (e.g., darkroom) ways. Students will increase their independence through the creation of a personal body of work founded in photography. They will explore how photography reveals insights into the human experience and has the power to effect change. Students will also begin exploring opportunities and career pathways of professional photographers.

MVAPH12

Grade 12
Credits 4**Applied Skills Photography 12-Distance Learning (CEAP)**

Distance Learning Course—Students focus on refining photographic materials, technologies, and processes in new (e.g., digital), traditional (e.g., darkroom) ways. Students will increase their independence through the creation of a personal body of work founded in photography; explore how photography reveals insights into the human experience and has the power to effect change. Students will also begin exploring opportunities and career pathways of professional photographers.

MVAPH12DL

Grade 12
Credits 4**Applied Skills Robotics 12**

This course focuses on advanced design, documentation, power and electronics, and applications of robotics technologies. Learning includes wiring, sensors, power management, and programming language. Students also explore emerging career opportunities in this field and interpersonal and consultation skills related to client interactions.

MTROB12

Grade 12
Credits 4**Applied Skills Textiles 12**

This course focuses on design and creation of complex textile items, methods for developing patterns, and textile manipulation techniques. Learning includes First Peoples historical and current textile knowledge and practices, the design for the life cycle of textile products and its environmental impacts, and career opportunities in textile design, production, and distribution.

MTXT-12

Grade 12
Credits 4**Applied Skills Textiles 12- Distance Learning (CEAP)**

Distance Learning Course—This course focuses on design and creation of complex textile items, methods for developing patterns, and textile manipulation techniques. Learning includes First Peoples historical and current textile knowledge and practices, the design for the life cycle of textile products and its environmental impacts, and career opportunities in textile design, production, and distribution.

MTXT-12DL

Grade 12
Credits 4