

ADST 9- COMPUTER ANIMATION

DM325 Grade Level 9 Credits 1.000

Animation 9 is a new course that will interest students who wish to learn about "the art of movement" by developing skills in sketching, drawing and working with Zoetrope strips, as well as 2D and 3D computer animation. Working with computers for CGI animation is a growing industry today - so this will be a major component for this course. Blender, Sculptris, Pivot and Flash, Photoshop and Premiere Pro will be explored.

COURSE CONTENT - Freehand sketching, using computers to create 3D Scenes with Models - Props, lighting, camera motion, and making movies are some of the skills we will learn.

ADST 9- DRAFTING

IE320 Grade Level 9 Credits 1.000

This course is designed to expand on the concepts from the Digital Design component of LifeSkills. COURSE CONTENT- Drafting 9 offers the convergence of digital arts and technology design. Students will be working on 2D AutoCAD, 3D mesh modeling, multiple object Animation and Simple computer game building.

Facilities/Equipment: Industry standard or better computers and monitors. A variety of 2D and 3D design, modeling and animation software. Forward Skill Application: This course will offer the skills required to successfully transition towards the 3D Delta Digital Design program offered in Grade 11 and 12. Software includes ACAD, Sketchup, Blender and Sculptris. The next logical course to take in Grade 10 is Technology Education 10: Drafting & Design.

ADST 9- FOOD STUDIES

HE300 Grade Level 9 Credits 1.000

Food and Nutrition 9 allows students an exciting opportunity to take food studies all year long. It is a very hands on social course, where students build the skills learned from grade 8 in the areas of kitchen and food safety as well as kitchen basics. Components of food preparation, including use and adaptations of ingredients, techniques, and equipment is practiced throughout this course. A variety of cooking techniques to produce baked goods as well as simple meals will be applied and practiced. Foods from different cultures and ethnicities will be introduced. Nutrition and healthy eating will be continued from last year and expanded upon. Course highlights include holiday baking, and decorating contests. No prerequisite required.

ADST 9- MAKER SPACE

DM330 Grade Level 9 Credits 1.000

A Makerspace is a workspace where creative students come together to dream, invent, build and share their ideas. It is a combination of a computer lab, woodshop, laboratory, electronics shop and art studio. Students will have access to 3D printers, laser cutters, Arduino and Raspberry Pi kits, Lego Mindstorm robotics, just to start. Students are encouraged to discover and follow their passions, invent new creations and solve real world problems with innovative thinking.

ADST 9- METAL WORK

IE350 Grade Level 9 Credits 1.000

Metalwork Technology 9 introduces students to the processes used to design, layout, form, shape and finish metal. We will Lathe Turn, Mill, Braze, Forge, Cast, Plasma Cut and Form different metals as we build unique projects with the processes learned. We also use our 3D printers and CNC routers to make parts, and patterns for casting in aluminum! The emphasis for this course is to learn through doing, so paperwork is limited. Students will make projects like a decorative Pewter casting, a Balancing Acrobat brazed sculpture, a sheet metal machining. Most projects have some aspect that is designed by the student themselves, allowing personal preferences to come into play whenever possible. Please visit dsstech.ca!

ADST 9- POWER MECHANICS

IE340 Grade Level 9 Credits 1.000

The Mechanics 9 course is an opportunity for students to work with small engines. Students will learn how to properly disassemble, reassemble, maintenance, diagnose, repair and run different 2-stroke and 4-stroke engines. The basic theory behind internal combustion engines and their associated systems will be supplemented with some discussion of electric drivetrains, including time spent with the school's electric Jr. Dragster race car. Some simple metalworking skills will complement the Mechanics skill to aid in repair and modification of motors. This course is an excellent precursor to any Automotive course at DSS. Please visit dssteched.ca!

ADST 9- TECHNOLOGY EDUCATION

IE300 Grade Level 9 Credits 1.000

This introductory Pre-Engineering course is for students who see a future designing and creating things. Students will use a full range of equipment like our 3D printers, 3D CNC Routers, CNC Metal Mill, Laser and Vinyl Cutters- complemented by industry level equipment in our fully equipped Metal and Wood Shops! Previous projects in the course have included robots, remote controlled submersibles and even a RC airplane, and this year we will explore projects like Drones, 2 player Mini Arcade (tabletop), and rockets! As with all of the Tech Studies courses, there is a large degree of student choice in the actual projects- we teach concepts and processes, and we encourage students to engineer their own applications! Please visit dssteched.ca!

ADST 9- TEXTILES

HE320 Grade Level 9 Credits 1.000

This course is designed for students who have an interest in using and developing skills with a focus in fabrics and materials. Students will learn how to select and work with commercial patterns, and become familiar with hand sewing as well as machine sewing. This is a very fun and creative environment to try new things and work at your own pace. Highlights of this course includes the rights to choose our own projects as well as having the freedom to work along side your friends and other classmates in a very relaxed atmosphere. Also access to sergers and an embroidery machine allow for more creative projects. No prerequisite required.

ADST 9- WOODWORK

IE310 Grade Level 9 Credits 1.000

PREREQUISITES: None! RECOMMENDATION: For students who want to learn work with wood. COURSE CONTENT: This is a hands-on course wherein building happens every day. Demonstrations and safety instruction are woven into classes as needed to support students as they build their projects and become comfortable with woodworking hand tools and machines. We use jointers, lathes, planers, table saws, routers, drill presses, a CNC router, bandsaws and more. Cool! ASSIGNMENTS/ACTIVITIES: We begin with a project like a cutting board which will introduce the students to the major machines used in Stock Breakout. Followed by increasingly complex projects, such as bottle balancers, boxes, lathe-turned spindles and bowls, culminating in a bedside table. Most projects have some room for student design as they work through the course which improves engagement and stimulates students to explore their vision in wood! Please visit dssteched.ca!

DRAMA 9

TH300 Grade Level 9 Credits 1.000

Drama 9 is a course that expands a student's exposure to theatre and the dramatic arts. Students will explore ensemble, acting and performance through voice, movement, improvisation & characters. Students will learn creative and critical thinking skills to

solve dramatic problems, learn to communicate their learning and express themselves. Assessment is based on in class participation and assignments, both scripted and non-scripted. In Drama 9 students will be challenged with large group plays, self direction in small scenes as well as individual monologues. Students must have a mature attitude, be willing to work in groups & individually as well as take risks to expand their skills and confidence as an actor.

ENGLISH LANGUAGE ARTS 9 **EN300** Grade Level 9 Credits 1.000

Speaking, listening, reading, writing and critical thinking are emphasized in this course. Students will be involved in the study of novels, short stories, poetry and drama; this study will include First Peoples' literature and perspectives. The writing process, particularly as it applies to paragraph and essay writing, will also be emphasized.

LANGUAGES 9- SPANISH **LA320** Grade Level 9 Credits 1.000

This is an introductory course that will teach students to communicate in Spanish on a basic level through the study of topics and themes relevant to their experiences. Cultural information is incorporated at appropriate points. Listening, speaking, reading and writing will be taught using a variety of activities. The program used is Realidades - Level 1 (first half of textbook) which offers a wide variety of online support activities.

LANGUAGES 9-FRENCH **LA300** Grade Level 9 Credits 1.000

This course is a continuation of French 8. The communicative approach allows students to interact frequently. Through relevant themes, the four language skills of speaking, listening, reading and writing are taught. Students will have meaningful conversations, and learn culture through stories and creative works.

MATHEMATICS 9 **MA300** Grade Level 9 Credits 1.000

COURSE CONTENT-Students will develop understanding of various types of numbers, including powers, rational numbers, and square roots. They will also learn to graph and manipulate linear equations and inequalities, create and understand scale diagrams, calculate surface areas of 3-dimensional objects, collect, display and analyze data to solve problems.

MATHEMATICS 9- ENRICHED **MA305** Grade Level 9 Credits 1.000

PREREQUISITE-A or B standing in Principles or Enriched Mathematics 8, or the recommendation of the Mathematics 8 teacher. COURSE CONTENT-In addition to covering the Principles of Mathematics 9, curriculum students will be encouraged to continue to develop strategies for creative problem solving. These classes may also preview material from more senior Mathematics courses.

MATHEMATICS 9- ESSENTIALS **MA320** Grade Level 9 Credits 1.000

PREREQUISITE-Successful completion of Essentials of Mathematics 8, or the recommendation of the Mathematics 8 teacher, based on completion of Principles of Mathematics 8 with a minimally passing grade. COURSE CONTENT-This course continues and extends the fundamental skill development emphasized in Essentials of Mathematics 8. The topics include; order of operations, variables and substitution, decimal, fraction and integer operations, exponents, problem solving, shape calculations (perimeter area & volume) and geometry.

MUSIC 9- CONCERT BAND BEGINNER

MU300B Grade Level 9 Credits 1.000

GENERAL INFORMATION: This course is designed for students wishing to learn a Band instrument. Students may provide their own instruments through "rent to own" program or purchase from local music store (the school will help facilitate this). Some instruments will be available through the school on a needs basis but those using school instruments will be limited in their choice of instruments. In this course students will learn basic performance skills, music theory and learn how to be a member of an ensemble. There are mandatory group performances throughout the year. No previous musical experience is necessary, but a minimum of 1 hour of home practice per week is expected.

MUSIC 9- CONCERT BAND INTERMEDIATE

MU300I Grade Level 9 Credits 1.000

INTERMEDIATE BAND-This is a course for Grade 9 students with at least one full year of recent Band experience (or its equivalent) and should contact the director to determine if this is an appropriate placement. The skills learned at the Beginner level are expanded through playing more complex music. A student usually remains at the Intermediate level for two or more years until he/she has acquired sufficient skills to move into Senior Concert Band. Students will have a minimum of one hour of home practice per week. There are mandatory group performances (concerts) from time to time. Students are also encouraged to participate in the annual spring field trip.

MUSIC 9- CONCERT CHOIR

MU320 Grade Level 9 Credits 1.000

(after school)

This course is open to all students who like to sing. Previous choral experience is not required. This is a group choral experience with emphasis placed on musical interpretation, correct vocal production and learning to sing within an ensemble. Because the choir is performance-oriented, students are given the opportunity to perform in school concerts, as well as to travel both locally and abroad to enrich their choral experience. THIS COURSE WILL BE OFFERED AFTER SCHOOL 2 DAYS PER WEEK. STUDENTS SHOULD SELECT THIS COURSE IN ADDITION TO THEIR 8 COURSES.

MUSIC 9- GUITAR

MU330 Grade Level 9 Credits 1.000

There are no prerequisites for Guitar 9. Students will be divided into 4 ability levels: Beginner, Novice, Intermediate, and Advanced. Students are graded on their improvement, effort, and participation in class activities. Guitars are provided for each student to use in class. Students will learn the basic elements of music as they relate to the guitar and learn a variety of songs from different genres. They will also explore the history and cultural roots of modern popular music.

PHYSICAL AND HEALTH EDUCATION 9

PE300 Grade Level 9 Credits 1.000

Building on the knowledge, skills, concepts and activities of PHE 8, this course continues to empower students to develop a personalized understanding of what healthy living means to them as individuals and members of society with a focus of lifelong participation, healthy choices, healthy relationships and advocating for the health and well-being of others. Curricular topics to be covered include physical literacy, healthy and active living, mental well-being and social and community health. Students will participate in a variety of activities, games and sports that will influence students personal fitness and enjoyment of physical activity and increase students chances for being active throughout their lives.

SCIENCE 9

SC300 Grade Level 9 Credits 1.000

Science 9 is a survey science course in the BC curriculum. It is designed to explore the four big ideas: Cells are derived from pre-existing cells; the electron arrangement of atoms impacts their chemical nature; electricity is the flow of electrons; the biosphere, geosphere, hydrosphere and atmosphere are interconnected as matter and energy flows through them. This course is evaluated through tests, written assignments, projects and labs.

SOCIAL STUDIES 9

SS300 Grade Level 9 Credits 1.000

This course reinforces geography skills learned in Grade 8 and adds mathematical geography and climate. Historical topics include the history of Canada to 1815, Political Revolution and Industrial Revolution. The skills and processes taught in Grade 8 are reviewed and further developed.

ASSIGNMENTS/ACTIVITIES-Students will learn to write claims and defend them concentrating on what warrants proof, and will address current issues.

STRATEGIES 9- ABORIGINAL STUDIES

AS350 Grade Level 9 Credits 1.000

This course focuses on the oral and artistic expression of Aboriginal cultures. It also deals with Aboriginal traditions, issues and customs, both pre- and post-European settlement. Aboriginal Studies is a graded elective.

THEATRE COMPANY 9

TH330 Grade Level 9 Credits 1.000

This course is an opportunity to be part of a cast of a scripted full length play. The creation and performance of a theatre production requires collaborative efforts of the entire company. This course is offered outside the timetable 2 days a week after school with the time commitment increasing closer to show date. Students are required to have a mature, committed and professional attitude towards the creative and rehearsal process and performance. By doing so they learn acting and personal skills necessary to perform within a Company. These skills include teamwork, vocal techniques, movement such as blocking, tableau and dance, character and improvisation.

VISUAL ARTS 9- CERAMICS & SCULPTING

AR330 Grade Level 9 Credits 1.000

RECOMMENDATION-You do not need excellent drawing skills (although you may have them) to do well in ceramics and sculpture! All you need is your imagination, creativity and a desire to work with your hands. COURSE CONTENT - This course introduces students to a variety of sculptural art and 3D design techniques. Students will learn to apply the elements and principles of design to 3 dimensions. The basic course explores the world of 3D design and sculpture through mat board construction, small clay projects and much more. Enhanced projects include the use of glass and metal and include glass bead making, mosaics and larger clay projects.

VISUAL ARTS 9- DRAWING & PAINTING

AR300 Grade Level 9 Credits 1.000

This course offers a variety of fun art projects- both 2D and 3D- to further explore various art mediums while developing art skills along the way. By the end of the course students will have obtained a rich foundation in the elements and principles of art.

VISUAL ARTS 9- GRAPHICS

AR351 Grade Level 9 Credits 1.000

Graphics introduces students to the building blocks of design. Through various exercises students will learn to both take and modify photographic images. Students will be challenged to expand their visual perception through tools such as Photoshop and how to manipulate images in a digital realm. In addition, students will learn to navigate the analog world through various darkroom practices.