

BUSINESS & COMPUTER SCIENCE EDUCATION

Business and Computer Science Education serves the entire school population through a relevant curriculum, oriented to providing career direction, job skills and a sound foundation for advanced study. The computer science component is designed to assist students in becoming computer literate before the end of their high school education. The hands-on method introduces students to technology and hardware. Every effort is made to keep both hardware and software up-to-date.

BUSINESS & COMPUTER SCIENCE COURSE DESCRIPTIONS

MICROSOFT OFFICE APPLICATIONS I - COLLEGE (1308A)

MICROSOFT OFFICE APPLICATIONS II – COLLEGE (1308B)

One semester each Credit 0.50 each Weight 1.04

Prerequisites: Successful completion of two semesters of Microsoft Office Applications is a graduation requirement. It is recommended that the courses be completed in Grade 9; however, the courses are open to students in all grades.

Description: These courses are designed for students with an existing general understanding of the PC and word processing skills who are also fairly proficient with touch keyboarding. The courses fit the needs of both the college-bound and non-college-bound student. The goal is to equip students with Microsoft Office and computer skills for use in school as well as to prepare them for adapting to computer hardware and software changes in the future on a personal and vocational level. These courses cover Word, Excel, PowerPoint, Outlook, and Front Page, and integrate Office applications and research on the Internet into real-life situations.

Note: Microsoft Office Applications does not meet the Vocational Education requirement for graduation but the course is a separate requirement for graduation.

COMPUTER TECHNOLOGIES (1311)

One Semester Credit 0.50 Weight 1.04

Prerequisites: This course is open to students in Grades 10, 11, and 12 who have successfully completed Office Applications and Algebra 1 - College or Algebra 1A and Algebra 1B.

Description: This course will explore the areas of spreadsheets and database management. Topics will include the decision making process in software and converting data into information. It will serve as an introduction, or as a complement, to the computer courses offered in the department.

INTRODUCTION TO BUSINESS (1317)

One Semester

Credit 0.50

Weight 1.04

Prerequisites: This course is open to all students in Grades 10, 11, and 12.

Description: This course provides a basic understanding of fundamental topics in business. Topics include the Economy, Business Ownership and Management, Marketing, Human Resources, Finance, and Accounting. Students are exposed to business concepts and terminology and have an opportunity to preview other business courses.

PERSONAL FINANCE (1318)

One Semester

Credit 0.50

Weight 1.04

Prerequisites: This course is open to all students in Grades 10, 11, and 12.

Description: This course provides students an opportunity to learn how to manage their personal finances now and in the future. Real world topics including budgeting, banking, credit, investments, taxes, and insurance will be covered.

ACCOUNTING I – COLLEGE (College Career Pathways) (1305)

Full Year

Credit 1.00

Weight 1.04

Prerequisites: This course is open to students in Grades 11 and 12 who have successfully completed Algebra 1 – College or Algebra 1A and Algebra 1B.

Description: The College Accounting I course provides students with a sound basic knowledge of accounting concepts and procedures. It provides a good foundation for advanced study in various areas of business. This course is intended for students interested in pursuing a future career path in business (accounting, finance, management, etc.) at the college level. The mental processes of analysis, interpretation and synthesis of accounting data receive emphasis to develop logical reasoning techniques. Exposure to manual and computer methods of accounting are provided to open vistas for career development. The course also provides a good foundation for entry into business occupations. Its work is advanced in content. The fundamentals are presented in a practical, easy-to-understand manner, teaching by example. The accounting principles described are those endorsed by the National Accounting Standards Board and the Connecticut CPA Association. This course may be taken in a student's junior or senior year for College Career Paths credit.

COMPUTERIZED ACCOUNTING (1312)

One Semester

Credit 0.50

Weight 1.04

Prerequisites: Successful completion of Accounting I - College is recommended.

Description: The material in this course is designed to assist students seeking to further their study of accounting through the use of computerized accounting programs. Students will use their understanding of accounting theories on the microcomputer.

BUSINESS LAW (1209)

One Semester Credit 0.50 Weight 1.02

Prerequisites: This course is open to students in Grades 11 and 12.

Description: This course will explore how business laws affect all of us in our daily lives. The course will look at laws governing credit, banking, the purchase of vehicles, computers, appliances, etc. The course will also discuss new laws as they are passed by the state and federal governments.

MANAGEMENT (1307)

One Semester Credit 0.50 Weight 1.04

Prerequisites: This course is open to students in Grades 11 and 12. Grade 10 students may elect the course with the permission of the instructor.

Description: This course deals with techniques of effective management. It covers all areas with which managers must deal. Students will study management tasks, work, organization, decision making, and problem solving concepts used in managerial situations.

INTRODUCTION TO MARKETING (1314)

One Semester Credit 0.50 Weight 1.04

Prerequisites: This course is open to students in Grade 11 and 12 who have successfully completed Office Applications I and II.

Description: This course will provide students with an understanding of the role of Marketing in the modern business/sport organization. The course will also provide a basic understanding of the fundamental topics in Marketing. Some topics that are included are: sports marketing, public relations, global marketing, distribution, promotion, endorsements, agents, managers, ethics, advertising, and market research.

INTRODUCTION TO FINANCE (1313)

One Semester Credit 0.50 Weight 1.04

Prerequisites: This course is open to students in Grades 11 and 12 who have successfully completed Algebra 1 – College or Algebra 1A and Algebra 1B.

Description: This one-semester course is designed to provide an introduction to general business and finance concepts including topics such as valuation, time value of money, the investment process, and ethics.

COMPUTER PROGRAMMING I – BASIC (1531)

Spring Semester

Credit 0.50

Weight 1.04

Prerequisites: This course is open to students in Grades 10, 11, and 12 who have successfully completed Office Applications 1 and 2 and Algebra 1-College or Algebra 1A and Algebra 1B.

Description: This is the first course in programming that is designed to introduce students to the basics of computer programming, logic, and self-directed problem solving skills. Computer programming involves designing, writing, testing, debugging, troubleshooting, and maintaining the code of computer programs. Students will be introduced to programming through hands-on experience involving the design, writing, running, and upkeep of programs using the BASIC language. This course is the prerequisite for C++ programming.

TENTATIVE COURSE

These courses have been proposed for the Business and Computer Science Department for the 2011-2012 school year and are pending approval by the Vernon Board of Education

ENTREPRENEURIAL I (1319)

ENTREPRENEURIAL II (1320)

One semester each

Credit 0.50 each

Weight 1.04

Prerequisites: These courses are open to students in Grades 10, 11, and 12 who have successfully completed Office Applications 1 and 2.

Description: These courses deliver solid coverage of the fundamentals of business management as students learn not only how to start a business, but also how to manage, grow, and harvest a business. The courses also place the student in the role of decision maker, allowing them to immediately apply what they have learned to current challenges in today's small businesses. Thorough emphasis is placed on building business plans ensuring that students can effectively create, manage, and analyze a plan for their own venture.