



# Cardinal Leger Secondary School

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*We believe that each one, created in the image and likeness of God, is called by name into the Dufferin-Peel community to realize the Ontario Catholic School Graduate Expectations to the fullest extent possible as we all journey from the early years to vocation.*

## COURSE OUTLINE

|                     |                                    |
|---------------------|------------------------------------|
| <b>Department:</b>  | Business and Technology Department |
| <b>Course:</b>      | Computer Science – Open            |
| <b>Course Code:</b> | ICS 201                            |

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|--|--|---|
| <b>Common Course Calendar</b>            | <b>Course Description:</b>   |   |
|  | <p>This course introduces students to computer programming. Students will plan and write simple computer programs by applying fundamental programming concepts, and learn to create clear and maintainable internal documentation. They will also learn to manage a computer by studying hardware configurations, software selection, operating system functions, networking, and safe computing practices. Students will also investigate the social impact of computer technologies, and develop an understanding of environmental and ethical issues related to the use of computers.</p> <p>This course will help students address the Ontario Catholic Graduate Expectation that they become effective communicators who use and integrate the Catholic faith tradition in a critical analysis of the arts, media, technology and information systems.</p>  |   |
| <b>Ministry/ICE Curriculum Documents</b> | <b>Strand/Unit Title</b><br><b>Infection Control</b><br><b>(Medical/Surgical Asepsis)</b>  | <b>Corresponding Catholic Graduate Expectation Indicators for each Strand/Unit</b>                      |
|  | <p><b>Understanding Computers</b></p> <ul style="list-style-type: none"> <li>• Describe the functions of different types of hardware components, and assess the hardware needs of users</li> <li>• Describe the different types of software products, and assess the software needs of users</li> <li>• Use the basic functions of an operating system correctly</li> <li>• Demonstrate an understanding of home computer networking concepts</li> <li>• Explain the importance of software updates and system maintenance to manage the performance and increase the security of a computer</li> </ul> <p><b>Introduction to Programming</b></p> <ul style="list-style-type: none"> <li>• Describe fundamental programming concepts and constructs</li> <li>• Plan and write simple programs using fundamental programming concepts</li> <li>• Apply basic code maintenance techniques when writing programs</li> </ul> | <p>CGE3c</p> <p>CGE4b</p> <p>CGE4d</p> <p>CGE2c</p> <p>CGE4f</p> <p>CGE2b</p> <p>CGE4f</p> <p>CGE2c</p> |

|  |  |   |
|--|--|---|
|  | <p><b>Computers and Society</b></p> <ul style="list-style-type: none"> <li>• Describe key aspects of the impact of computers and related technologies on society</li> <li>• Describe computer use policies that promote environmental stewardship and sustainability</li> <li>• Describe legal and ethical issues related to the use of computing devices</li> <li>• Describe postsecondary education and career prospects related to computer studies.</li> </ul> | <p>CGE2e</p> <p>CGE7i</p> <p>CGE2c</p> <p>CGE4d</p> |
|--|--|---|

**Assessment and Evaluation:**

| Category Weightings     | Weight % |
|-------------------------|----------|
| Knowledge/Understanding | 30       |
| Thinking                | 25       |
| Application             | 30       |
| Communication           | 15       |

| Final Summative Assessments | Overall Weighting |
|-----------------------------|-------------------|
| Term Work                   | 70 %              |
| Course Culminating          | 10%               |
| Exam                        | 20%               |

**Learning Skills and Work Habits**

E= excellent G= good S=satisfactory N= needs improvement

|                  |   |
|------------------|---|
| Responsibility   | <ul style="list-style-type: none"> <li>• fulfills responsibility and commitments</li> <li>• takes responsibility for and manages own behavior</li> <li>• completes and submits class work, homework, and assignments according to agreed-upon timelines</li> </ul>              |
| Organization     | <ul style="list-style-type: none"> <li>• devises and follows a plan and process for completing tasks</li> <li>• establishes priorities and manages time</li> <li>• identifies, gathers, evaluates, and uses information, technology, and resources to complete tasks</li> </ul> |
| Independent Work | <ul style="list-style-type: none"> <li>• independently monitors, assesses, and revises plans to complete and meet goals</li> <li>• uses class time appropriately to complete tasks</li> <li>• follows instructions with minimal supervision</li> </ul>                          |

|                 |  |
|-----------------|--|
| Collaboration   | <ul style="list-style-type: none"> <li>• accepts various roles and an equitable share work in a group</li> <li>• builds healthy peer-to-peer relationships</li> <li>• responds positively to the ideas, opinions, values, and traditions of otherd</li> <li>•</li> </ul> |
| Initiative      | <ul style="list-style-type: none"> <li>• Looks for and acts on new ideas and opportunities</li> <li>• Approaches new tasks with a positive attitude</li> </ul>   |
| Self-Regulation | <ul style="list-style-type: none"> <li>• Sets own goals and monitors progress towards achieving them</li> <li>• Seeks clarification or assistance when needed</li> </ul>   |

### Missed/Late/Incomplete Assignments

It is the student's responsibility to address missed. Late, or incomplete assignments. Students are expected to complete assignments and to adhere to assignment deadlines as follows.

| DUE DATE                     | 10% PENALTY  | CLOSURE DATE   |
|------------------------------|--|--|
| A due date is set by teacher | 1 school day late -3%<br>2 school days late – 6%<br>3 school days late – 10%<br>Maximum penalty of 10% | Once the closure date has passed, work is considered incomplete and a <b>mark of zero</b> applies. |

Parent Signature \_\_\_\_\_ Student Signature \_\_\_\_\_