

This course serves as an introductory course in computer programming using Visual Basic Express 2010 or other languages(that are free to use/download) that should prepare students to take further programming courses in high school, university, or community college and to make an informed career choice in this area. Students will learn to create simple Windows programs.

**Topics to Be Covered**

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|----------------------------------|------------------|
| Careers in Computer Science      | Debugging        |
| Programming Languages            | Looping          |
| Computer System Components       | IF Statements    |
| Input/output Devices             | CASE Structures  |
| Computer Processor               | Arrays           |
| High Level Programming Languages | Multiple Forms   |
| Memory                           | Animated Objects |
| System Software                  | Sound            |
| Application Software             | *Game Maker      |
| Documentation                    | *Interface       |
| Visual Basic Interface           | *IDE             |
| Flow Chart                       | *Video Game      |
| Variables                        | *Sprites         |
| Data Types                       | *Objects         |
| Conditional Statements           | *Rooms           |
| Writing Expressions              | *Coding          |

**EVALUATION**

- Quizzes
- 3 Minor Projects
- Major Project

**Final Mark**

Quizzes.....	20%
Minor Projects.....	30%
Final Project.....	25%
Daily Assignments .....	25%