

This course serves as an introductory course in computer programming using Visual Basic Express 2010 and GameMaker 8.1 by YoYo Games (Both VB and GameMaker are free to download) or OpenROV 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

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 / Blog Entries.....	25%

- Online Blog – Students will be responsible for posting the progress of their projects through text / pictures / videos. This will be done on a weekly basis.