**INSTRUCTOR**: Mr. Ademir Koric

**Room**: 230

**Textbook**: Programming with Microsoft Visual Basic by Diane Zak

 (this textbook is provided online by the instructor)

**Course Description:**

* This course is designed as a preparation for Computer Science 3&4 that revolves around C++ programming language. ​
* Because the design and implementation of computer programs to solve problems involve skills that are fundamental to the study of computer science, a large part of the course is built around the development of computer programs that correctly solve a given problem.
* All these concepts will be reinforced when using **Visual Basic** and potentially other languages.

**Course Objectives:**

Upon completing this course students will be able to:

* To familiarize students with the more advanced skills associated with computer science and computer programming.​
* The design and implementation of computer programs is used as a context for introducing other important aspects of computer science, including the development and analysis of algorithms, the development and use of fundamental data structures, the study of standard algorithms and typical applications, and the use of logic and formal methods.
* To use logical operators as tools of teaching computers to perform various functions for them.
* To understand and use different decision structures that exist within the world of computer science.
* To prepare students for other courses in programming at Metro High School but also at the college, tech school, or university.​

**Conduct Policy:**

* **Procedures are to be followed at all times** – these procedures ARE VERY IMPORTANT and their details will be discussed throughout the first 2 weeks of class**.**



**Grading Criteria:** 

* This class uses a
**TOTAL POINT SYSTEM.**
* **Final Exam = 20% of the grade**

**Late Policy:**

Please note that all late assignments, projects, and/or homework **cannot be turned in late, UNLESS** provided an appropriate reason for his/her absence **in a timely fashion** (see teacher expectations for more information).

**If the teacher is notified on time** - students have **an extra WEEK DAY** to get their assignments done and turned in. Failure to do so will result in receiving a zero for that assignment.

**Cutting Classes:**

These instances lead to receiving zeroes and very likely reporting students to appropriate channels for further disciplinary actions.

**Teacher Expectations**:

* Students are to be actively engaged in the learning process at all times, so they can develop a positive, cooperative classroom learning environment.
* Student collaboration is HEAVILY ENCOURAGED!
* Once the procedures are well established - daily assignments should be expected by students after every class.
* **Students are expected to check their MICROSOFT TEAMS daily, especially in the case of an “absence” of any kind, even though their assignments will be found on koric.edu20.org website every single time.**
	+ Unless the student is UNCONSCIOUS (or stranded on an island without internet access) – they must e-mail the teacher and inform him of their absence.
		- **FAILURE TO DO SO –** will prevent them from making up the assignments they have missed that day in class.
		- **IF YOU HAVE E-MAILED THE TEACHER ON TIME** – then the student will earn the right to make up their work. Students receive **an EXTRA WEEK DAY** to complete the assignment. For example, you miss Tuesday - you must submit before midnight on Wednesday. If you miss something on Friday, you must submit things before the end of the day on Saturday. End of the day means **midnight.**
	+ If a student knows ahead of time that he or she will be absent on a certain day – students should let the teacher know in advance
		- This way the students can set up the make-ups with the teacher in a timely fashion.

**E-mails/Websites/Software**

* all students will be provided with a district e-mail and Office 365 accounts
* students will be responsible for visiting 4 different locations on the daily basis
	+ **Microsoft Teams** - HUB
	+ **Cengage Website** - website where our textbook will be found
	+ **Koric.Edu20.org** - website where we will take our quizzes/exams and submit assignments.
	+ **Robozzle** - website where we will practice logical, programming puzzles
	+ **Main Software used:**
		- **Microsoft Visual Studio Community** - IDE in which we will program our projects for this class

**Tips for Success:**

* **Do not miss deadlines for your assignments**
	+ It is better to submit something and get partial credit than receive a 0 for an assignment NOT SUBMITTED
* **If you are absent – let the teacher know the same day!**
	+ This way you do not miss the opportunity to make it up.
	+ On the same note – absences are the MAIN REASON for poor grades in my class – hence, avoiding them to the best of your ability is a good idea.
* **Do not fall behind with the materials we are covering**
	+ Use your classmates to get things explained in case you are struggling
		- Get **tutoring from another student** immediately. Usually this is good enough to help you move forward.
	+ Catching up is much **more difficult** than keeping up with me
	+ Consider setting up **meetings with me** if there is a need. These short tutoring sessions are often extremely effective and useful to the students. They happen after school for 20-30 minutes daily upon request. Requests for tutoring must be made the same day before 9:00am.

**Academic Policy**

* **Metro has extremely high regard for academic integrity and, as such, has zero tolerance for any and all forms of academic dishonesty. Academic dishonesty includes but is not limited to, all forms of cheating on any assessments, essays, or assignments (copying, taking pictures, group chats with answers, etc.), plagiarism, and any other unethical academic behavior. Any student in violation will receive no credit (zero/F letter grade), a family meeting will be scheduled, and a notation of the violation will be in the student’s school record.**
* **The use of artificial intelligence (AI) tools, such as Chat GPT, has the potential for misuse and often borders on plagiarism. At Metro, we utilize Turnitin to disrupt plagiarism and ensure the integrity of ALL student work. If it is deemed that a student has used any AI tool to complete an assignment, the student will receive no credit (zero/F letter grade), a family meeting will be scheduled, as well as a notation of the violation in the student’s school record.**
* **Any academic dishonesty violation will affect recommendations written by the school for any student applying for post-secondary institutions, scholarships, and other educational programs.**

 **Parent Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Student Signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**