

Monroe Township High School

Computer Science

Back to School Night

September 16, 2019

Mr. Gerard Minter

- 17th Year of teaching at MTHS
- 4 Years experience in Information Technology

- West Virginia University

- Bachelor of Arts, Mathematics
- Master of Arts, Secondary Education

- School Activities

- Ice Hockey, Head Coach
- Weight Room & Cardio Lab, Spring Season

- More About Me

- Two Children, Ice Hockey, Soccer, Technology, Running, Sports, Music



Class Rules

- Respect
 - Be respectful of everyone and everything in our class.
- Responsibility
 - Accept Responsibility for all of your actions.
 - Be an Advocate for your education.
- Work Ethic
 - Come to class and work diligently to understand the material and complete your assignments.



Staff Web Page

- <http://tinyurl.com/mthsminter>
 - Has this PowerPoint available for download.
- General Teacher and Course Information
 - Contact Information
 - Teacher Schedule



Google Classroom

- <http://classroom.google.com>
- A Complete Course Resource and Agenda
 - Course Description
 - Forms
 - File Submission
 - Warm-Up Activities
 - Class Resources
 - Assignment Agenda
 - Essential Questions and Learning Goals
 - Power Point Presentations
 - Rubrics
 - Accessible via Web Browser, iPhone, iPad and Other Devices
 - And more...



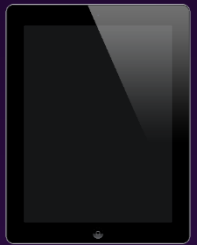
Quia

- Quia.com
- Most, if not all, review questions and course testing is done using the Quia website.
- Each student has a unique Username and Password to take tests and view results.
- Advantages
 - Instant Results for Students
 - Stores All of Student's Prior Tests
 - Saves Paper
 - Statistical Analysis of Results



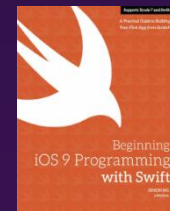
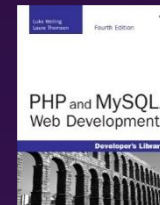
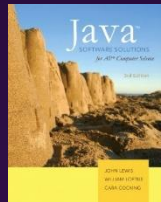
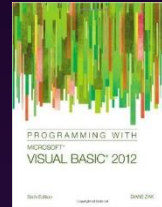
iPads

- Access Course PowerPoint Presentations.
- Access Course E-book (if applicable)
- Access Video Tutorials
- Use the Google Classroom App to access materials
- Students may use non-studio headphones in class during independent classwork time.



Computer Science Series

- Year 1: Visual Basic
 - Computer Programming
- Year 1: Computer Science
 - AP Computer Science Principles
- Year 2: Java
 - AP Computer Science A
- Year 3 or 4: PHP and MySQL
 - Advanced Web Design
- Year 3 or 4: Mobile App Development
 - iOS and/or Android Application Development



Computer Programming

- Designed as an introductory course for the beginning programmer.
- Covers the Visual Basic Programming Language.
- Students will finish the course with the ability to create Microsoft Windows applications, solving a variety of problems.
- Grading
 - Classwork & Participation: 20%
 - Quizzes & Tests: 45%
 - Labs & Projects: 35%



AP Computer Science Principles

- Builds a solid foundation of computing hardware and software, networks, programming languages, and applications.
- Covers Programming Language concepts.
- Students will finish the course with an understanding of algorithms and basic building blocks of a computer system, ability to write programs and address social, ethical and legal issues in computer technology.
- AP Exam is on *Friday, May 15, 2020*.
- Grading
 - Classwork & Participation: 20%
 - Quizzes & Tests: 50%
 - Labs & Projects: 30%



AP Computer Science A

- An in-depth study of the Java programming language.
- Students will finish the course with ability to create Java applications, analyze complex problems and work collaboratively on a larger project.
- AP Exam is on *Friday, May 8, 2020*.
- Grading
 - Classwork, Homework, & Participation: 15%
 - Quizzes & Tests: 60%
 - Labs & Projects: 25%



Advanced Web Design

- An advanced course for students interested in designing web sites.
- Course relies heavily on prior knowledge and is very independent in nature.
- Students will finish the course with the ability to design and implement an interactive web site.
- Grading
 - Participation: 15%
 - Quizzes: 25%
 - Projects: 60%



Mobile App Development

- An advanced course for students interested in mobile application development.
- Course relies heavily on prior knowledge and is very independent in nature.
- Students will finish the course with the ability to design an iOS and/or Android Application.
- Grading
 - Classwork & Participation: 40%
 - Labs & Projects: 60%



AP Exam Registration

- Register using MySchoolBucks.
- Cost per exam is \$98.
- Registration will be open from September 18th until October 18th.

Communication

- Grades
 - *Genesis / Parent Connect*
 - *Up to date Assignments and Grades*
- E-Mail
 - Gerard.Minter@monroe.k12.nj.us

