COURSE TITLE:Computer ApplicationsPREREQUISITE:noneCOURSE LENGTH:One SemesterGRADE LEVEL:9-12

GENERAL DESCRIPTION: Designed to provide students with the basic application techniques using PowerPoint presentations, Word documents, and Excel spreadsheets applications.

MODE OF PRESENTATION: Hands on projects using of computer.

GRADING PROCEDURE: Lab work and class projects.

STUDENT SKILLS, KNOWLEDGE TO BE GAINED:

- 1. Create documents with Microsoft Word, Excel, and PowerPoint.
- 2. Create a database with sorted reports.
- 3. Create working PowerPoints with sound, transitions, and effects.
- 4. Learn how to use all tools on the ribbon.
- 5. Create functional and useable documents using all applications.

COURSE TITLE:	Computer Graphics
COURSE LENGTH:	One Semester
PREREQUISITE:	None
GRADE LEVEL:	10 – 12

GENERAL DESCRIPTION: Students will create MANY different pictures, projects, and movies using iMovie and other media creators. Students may also create podcasts, create animated videos, and create and edit digital movies.

MODE OF PRESENTATION: This is a lab-oriented class, with students working both independently and in groups.

GRADING PROCEDURE: Class projects and daily work.

STUDENT SKILLS, KNOWLEDGE TO BE GAINED:

- 1. Students will work proficiently with the following software programs:
 - Microsoft Word
 - Photoshop
 - iMovie
 - WeVideo
 - GoAnimate

PREREQUISITE:	Computer Applications is helpful
COURSE LENGTH:	One Semester (1 st Semester)
GRADE LEVEL:	10-12

GENERAL DESCRIPTION: Code.org's Computer Science Principles (CSP) curriculum is a full-year, rigorous, entry-level course that introduces high school students to the foundations of modern computing. The course covers a broad range of foundational topics such as programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing. The first FIVE units will be covered during CSP I.

MODE OF PRESENTATION: This is a lab-oriented class, with students working both independently and in groups.

GRADING PROCEDURE: Lab work, quizzes, tests, class projects.

STUDENT SKILLS, KNOWLEDGE TO BE GAINED:

- 1. Explore how computers store complex information like numbers, text, images and sound and debate the impacts of digitizing information.
- **2.** Learn about how the Internet works and discuss its impacts on politics, culture, and the economy.
- **3**. Design your first app while learning both fundamental programming concepts and collaborative software development processes.
- **4.** Expand the types of apps you can create by adding the ability to store information, make decisions, and better organize code.
- 5. Build apps that use large amounts of information and pull in data from the web to create a wider variety of apps.

COURSE TITLE:	Computer Science Principles II
COURSE LENGTH:	One Semester (2 nd Semester)
PREREQUISITE:	Computer Science Principles II
GRADE LEVEL:	10 – 12

GENERAL DESCRIPTION: Code.org's Computer Science Principles (CSP) curriculum is a full-year, rigorous, entry-level course that introduces high school students to the foundations of modern computing. The course covers a broad range of foundational topics such as programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing. The last FIVE units will be covered during CSP II.

MODE OF PRESENTATION: This is a lab-oriented class, with students working both independently and in groups.

GRADING PROCEDURE: Lab work, quizzes, tests, class projects.

STUDENT SKILLS, KNOWLEDGE TO BE GAINED:

1. Design and analyze algorithms to understand how they work and why some are considered better than others.

- 2. Learn how to design clean and reusable code that you can share with a single classmate or the entire world.
- **3.** Practice and complete the Create Performance Task (PT).
- **4.** Explore and visualize datasets from a wide variety of topics as you hunt for patterns and try to learn more about the world around you.
- 5. Research and debate current events at the intersection of data, public policy, law, ethics, and societal impact.