Eagle's Landing High School
INFORMATION TECHNOLOGY CAREER CLUSTER ~ COURSE SYLLABUS
CAREER, TECHNOLOGY, AND AGRICULTURAL EDUCATION DEPARTMENT (CTAE)

COURSE TITLE .... **Introduction to Digital Technology**   **TERM**………..**Fall 2020 & Spring 2021**

TEACHER .... **Mrs. Sonja Goins**   **ROOM #** **516**

PHONE NUMBER .... **(770) 954-9515**

Email Address	Sonja.goins@henry.k12.ga.us (best form of communication)
Teacher Web Page	www.henry.k12.ga.us/elh (go to faculty/staff section – Goins, Sonja)
Teacher Support	Help sessions are available before and after school. Check with teacher for availability.
Notice of Equal Opportunity	https://schoolwires.henry.k12.ga.us/Page/49720

COURSE DESCRIPTION

Introduction to Digital Technology (**IDT**) is the foundational course for Programming pathway. This course is the first course in the pathway and required to become a pathway completer.

This course is designed for high school students to understand, communicate, and adapt to a digital world as it impacts their personal life, society, and the business world. Exposure to foundational knowledge in hardware, software, programming, web design, IT support, and networks are all taught in a computer lab with hands-on activities and project-focused tasks. Students will not only understand the concepts, but apply their knowledge to situations and defend their actions/decisions/choices through the knowledge and skills acquired in this course.

Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry.

Competencies in the co-curricular student organization, Future Business Leaders of America (FBLA), are integral components of both the employability skills standards and content standards for this course.

Various forms of technologies will be highlighted to expose students to the emerging technologies impacting the digital world. Professional communication skills and practices, problem-solving, ethical and legal issues, and the impact of effective presentation skills are taught in this course as a foundational knowledge to prepare students to be college and career ready. The knowledge and skills taught in this course build upon each other to form a comprehensive introduction to digital world.

Prerequisites: Introduction to Digital Technology is a course that is appropriate for all high school students. The pre-requisite for this course is advisor approval.

21ST CENTURY SKILLS – Communication; Collaboration; Citizenship (Digital); Critical Thinking

COURSE CURRICULUM CONTENT (UNITS ARE NOT IN ORDER OF DELIVERY)

Course Standards

COURSE STANDARDS	UNITS/TOPICS
IT-IDT-1 Demonstrate employability skills required by business and industry	1. FBLA – leadership development, community service, and employability skills
IT-IDT-2 Explore, research, and present findings on positions and career paths in technology and the impact of technology on chosen career area.	2. Online safety and digital citizenship 3. Emerging and future technology 4. Hardware and software
IT-IDT-3 Demonstrate effective professional communication skills (oral, written, and digital) and practices that enable positive customer relationships.	5. Problem solving, flowcharting and algorithms 6. Visual programming 7. Employability Skills
IT-IDT-4 Identify, describe, evaluate, select and use appropriate technology.	8. Information Technology Careers: Programming, Gaming, and Software Development

IT-IDT-5	Understand, communicate, and adapt to a digital world.
IT-IDT-6	Explore and explain the basic components of computer networks.
IT-IDT-7	Use computational thinking procedures to analyze and solve problems.
IT-IDT-8	Create and organize webpages through the use of a variety of web programming design tools.
IT-IDT-9	Design, develop, test and implement programs using visual programming.
IT-IDT-10	Describe, analyze, develop and follow policies for managing ethical and legal issues in the business world and in a technology-based society.
IT-IDT-11	Explore how related student organizations are integral parts of career and technology education courses through leadership development, school and community service projects, entrepreneurship development, and competitive events.

9. FBLA – entrepreneurship development, competitive events, professional communication
10. Operating systems
11. Customer relationships
12. Networking basics
13. Online resources
14. Web design
15. Ethics, legal issues, and cyber security
16. Information Technology Careers: Network Systems, Information Support & Services, and Web & Digital Communications, Computer Forensics

** *Units/Topics listed are not in order of delivery*

INSTRUCTIONAL MATERIALS AND SUPPLIES

Published Materials	Recommended Materials
Resources: Discovering Computers Discovering Computers Online Companion Online Resources (videos, handouts, web links, etc. provided by teacher)	• Folder (prongs with pockets) • Notebook paper • Pen or pencil • Headphones • Chromebooks **Note**: Email account provided by Henry County Schools **Email**: student number@henry.k12.ga.us **Password**: same as computer student login password

EVALUATION AND GRADING / ASSIGNMENTS

Grading Policy:

Course Final Average	
Task Groups (Categories)	
Classwork (Daily Work)	40%
Assessments/Projects	40%
Final Exam	20%

Class assignments are located on teacher's link as well as Google Classroom. Please refer to either one for updated assignments and instructions (handouts and video provided when needed)

OTHER INFORMATION

Expectations for Academic Success	Additional Requirements/Resources
1) Complete daily classwork assignments 2) Participate in class discussions and ask questions 3) Participate constructively as a team member 4) Problem solve and accept challenges 5) Challenge yourself to continuously improve	• Acceptable Computer Use Policy • Tutoring Available • Technology is available in classroom; there is no need to use smartphones, headphones, and Chromebooks in class unless indicated by teacher

The syllabus may be updated as needed throughout the semester.