

FORSYTH COUNTY COURSE SYLLABUS

2016-2017

COURSE TITLE:	Introduction to Digital Technology (IDT)		
TEACHER NAME:	Dianne K. King	E-MAIL:	Dking80@forsyth.k12.ga.us
ROOM:	410	PHONE:	770-781-2264
		EXT:	100410

Course Description:

Introduction to Digital Technology is the foundational course for Web and Digital Communications, Programming, Advanced Programming, Information Support and Services, and Network Systems pathways. 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. Introduction to Digital Technology is a course that is appropriate for all high school students. An emphasis is placed on developing computer programming skills to prepare students for successful completion of the Computer Science – Programming or Computer Science – Advanced Programming pathways.

The introduction to computer science is accomplished using a variety of programming platforms and applications, such as (but not limited to):

- Easy/C: a “block” and/or C language programming environment for Vex robots
- Scratch: a block-oriented programming language for 2D animation
- Greenfoot: a Java-based programming environment for games and simulations
- Adobe Creative Suite 5 (Illustrator & Photoshop) – tools for building more powerful and/or complex websites
- Microsoft Office applications (Word, Excel, PowerPoint) – tools for writing papers, performing calculations, and giving presentations

Standards:

Course standards may be found here: <http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Documents/Introduction-to-Digital-Technology.pdf>

Units include: Careers, History and Ethics of Computers, Hardware and Software, Computer Images and Sound, Networking, Internet and Web Design, and Programming

Students will:

- Explore, research, and present findings on positions and career paths in technology and the impact of technology on chosen career area.
- Demonstrate effective professional communication skills (oral, written, and digital) and practices that enable positive customer relationships.
- Identify, describe, evaluate, select and use appropriate technology.
- Understand, communicate, and adapt to a digital world.
- Explore and explain the basic components of computer networks.
- Use computational thinking procedures to analyze and solve problems.
- Create and organize webpages through the use of a variety of web programming design tools.
- Design, develop, test and implement programs using visual programming.
- Describe, analyze, develop and follow policies for managing ethical and legal issues in the business world and in a technology-based society.

Learning Resources/Textbook(s):

All learning resources will be available on-line through itsLearning or other sources on the Internet.

FBLA Membership:

Students are encouraged to participate in **Future Business Leaders of America (FBLA)** as an extension of this course. All students in Business and Computer Science Pathway courses are *strongly encouraged* to join FBLA, which is the career and technical student organization (CTSO) associated with our classes. FBLA is the oldest and largest CTSO in the US boasting over 230,000 student members. Georgia FBLA has the largest membership in the US with over 22,000 participants. FBLA tools and activities will be utilized during class because it is a co-curricular organization and supported in the GPS standards. Some of these activities will be graded assignments, even if the student is not a member of FBLA. Membership benefits include scholarships, leadership conferences, networking, community service, and competitive events opportunities. FBLA is open to all students on campus and meets Thursdays at 4:00 pm.

Required Supplies:

Blue and/or black pen, pencil, highlighter, 3-ring binder (1-2 inch), notebook paper, tabs/page dividers, email account (Gmail preferred), flash drive, and earbuds/head phones.

Required Assignments:

Students will complete a literacy assignment each quarter that relates to the IDT standards for that quarter. A rubric will be provided for each assignment.

Computer Lab Considerations:

- No food or drinks other than water are allowed.
- Proper computer use and care is extremely important.
- The printer in Room 410 is to be used for CTAE classes only. The media center hosts printers available for other classes.

Makeup Work:

Makeup Work is defined as **work assigned during a student's absence, not work assigned prior to an absence**. The student has up to five (5) school days or the end of the quarter, whichever is less, upon returning to school to complete make-up work. Each student is responsible for scheduling and completing all makeup work. Remember, all work must be completed before the end of the grading period (quarter).

Late Work:

Every assignment has a due date. Although we all work at different speeds, due dates are set with that fact in mind. Assignments should be submitted on time and deductions will be made for any late work. **Up to 15 points per day may be deducted** for any late assignment. Remember, all work must be completed before the end of the grading period (quarter).

Class Rules:

(In addition to all SFHS and FCS Rules...)

- Be prompt – by being in your seat and working when the final bell rings
- Be prepared – by bringing all supplies to every class
- Be polite – by refraining from vulgar or offensive language
- Have permission – before leaving your seat or using your cell phone for assignments

Consequences:

(Mrs. King reserves the right to skip steps 1-3 if needed.)

1. Warning
2. Notify Parent/Guardian
3. After School Detention (ASD)
4. Office Referral

Availability for Extra Help:

I am available before school and after school most days. Please schedule in advance to ensure availability.

Communication:

- Both students and parents are encouraged to discuss any questions or concerns with me.
- Email: The quickest way to contact me is usually by email (Dking80@forsyth.k12.ga.us).
- Conferences: I am available both before school and after school for meetings or parent conferences. Please schedule in advance to ensure availability.

Grading Calculations:

Non-EOC Course Average = 50% (1st Sem. Course Work) + 50% (2nd Sem. Course Work)

1st and 2nd Semester Course Work = 75% Summative + 25% Formative

Grading Policy:

A = 90 – 100

B = 80 – 89

C = 70 – 79

Failing = Below 70

**Formative Assessments include, but are not limited to homework, class work, practice tests, rough drafts, and sections of projects/ research papers/presentations. Formative grades will be posted within 5 business days of assignment due date.*

**Summative Assessments include, but are not limited to unit tests, final projects, final essays, final research papers, and final presentations. Summative grades will be posted within 10 business days of assignment due date.*

Signature Sheet

Directions: Please complete, sign, and return to Mrs. King.

I have read the syllabus for Intro to Digital Technology and understand the course rules and policies.

Student Name (Printed): _____ Class Period: _____

Student Signature: _____ Date: _____

Parent/Guardian Signature: _____ Date: _____