CAREER & TECHNOLOGY COURSES & CAREER PATHWAYS			
Business and Technology Pathway	**Prerequisite**	**Grade**	**Credits**
Introduction to Business & Technology: This is the foundational course for Business and Technology, Entrepreneurship, and Human Resources Management pathways. The course is designed for high school students as a gateway to the career pathway above and provides an overview of business and technology skills required for today's business environment. Knowledge of business principles, the impact of financial decisions, and technology proficiencies demanded by business combine to establish the elements of this course. Emphasis is placed on developing proficient fundamental computer skills required for all career pathways. Students will learn essentials for working in a business environment, managing a business, and owning a business. The intention of this course is to prepare students to be successful both personally and professionally in an information-based society. Students 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.	None	9-12	½ unit per semester
Business & Technology: Business and Technology is designed to prepare students with the knowledge and skills to be an asset to the collaborative, global, and innovative business world of today and tomorrow. Mastery use of spreadsheets and the ability to apply leadership skills to make informed business decisions will be a highlight of this course for students. Publishing industry appropriate documents to model effective communication and leadership will be demonstrated through project-based learning. Students will use spreadsheet and database software to manage data while analyzing, organizing and sharing data through visually appealing presentation. Various forms of technologies will be used to expose students to resources, software, and applications of business practices. Professional communication skills and practices, problem-solving, ethical and legal issues, and the impact of effective presentation skills are enhanced in this course to prepare students to be college and career ready. Business and Technology is the second course in the Business Management and Administration pathway. Students enrolled in this course should have successfully completed Introduction to Business and Technology.	Introduction to Business & Technology	10-12	1 unit per semester

Business Communications: As one of the most important skills for employers, students will explore the value of communication in their personal and professional life. The digital presence and impact of written and visual communication in a technological society will be addressed. Students will create, edit, and publish professional appearing business documents with clear and concise communication. Personal and professional communications will be applied through research, evaluation, validation, written, and oral communication. Leadership development and teamwork skills will be stressed as students work independently and collaboratively. Presentation skills will be developed and modeled. Various forms of technologies are to expose students to resources, software, and applications of communications. Business Communications is the third course in the Business and Technology pathway in the Business Management and Administration cluster. Students enrolled in this course should have successfully completed Introduction to Business and Technology and Business and Technology. After mastery of the standards in this course, students should be prepared to take the end of pathway assessment in this career area. Students who pass the End of Course Pathway Assessment will earn a CTAE Pathway Diploma Seal and Graduation Cord.	Business & Technology	10-12	1 unit per semester

Entrepreneurship Pathway	Prerequisites	Grade	Credits
Introduction to Business & Technology: This is the foundational course for Business and Technology, Entrepreneurship, and Human Resources Management pathways. The course is designed for high school students as a gateway to the career pathway above and provides an overview of business and technology skills required for today's business environment. Knowledge of business principles, the impact of financial decisions, and technology proficiencies demanded by business combine to establish the elements of this course. Emphasis is placed on developing proficient fundamental computer skills required for all career pathways. Students will learn essentials for working in a business environment, managing a business, and owning a business. The intention of this course is to prepare students to be successful both personally and professionally in an information-based society. Students 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.	None	9-12	½ unit per semester

Legal Environment of Business: This course addresses statutes and regulations affecting businesses, families, and individuals. All students will benefit with the knowledge of business law as they will eventually assume roles as citizens, workers, and consumers in their communities and in society at large. Students will get an overview of business law while concentrating on the legal aspects of business ownership and management. Legal issues addressed include court procedures, contracts, torts, consumer law, employment law, environmental law, international law, ethics, and the role of the government in business. Students will not only understand the concepts, but will also apply their knowledge to situations and defend their actions, decisions, and choices. Students enrolled in this course should have successfully completed Introduction to Business and Technology.	Introduction to Business & Technology	10-12	1 unit per semester
Entrepreneurship: How do you turn an idea into a business? Experience just that in this course! Entrepreneurship focuses on recognizing a business opportunity, starting a business, operating and maintaining a business. Students will be exposed to the development of critical thinking, problem solving, and innovation in this course as they will either be the business owner or individuals working in a competitive job market in the future. Integration of accounting, finance, marketing, business management, legal and economic environments will be developed throughout projects in this course. Working to develop a business plan that includes structuring the organization, financing the organization, and managing information, operations, marketing, and human resources will be a focus in the course. Engaging students in the creation and management of a business and the challenges of being a small business owner will be fulfilled in this course. After mastery of the standards in this course, students should be prepared to take the end of pathway assessment in this career area. Students who pass the End of Course Pathway Assessment will earn a CTAE Pathway Diploma Seal and Graduation Cord.	Legal Environment of Business	10-12	1 unit per semester

Financial Literacy - 2 Semester, 1 Credit Course- Standalone Course			
Personal Finance: Step into this course specifically designed for high school students to understand the importance of the financial world, including planning and managing money wisely. Areas of study taught through application in personal finance include sources of income, budgeting, banking, consumer credit, credit laws and rights, personal bankruptcy, insurance, spending, taxes, investment strategies, savings accounts, mutual funds and the stock market, buying a vehicle, and living independently. Based on the hands-on skills and knowledge applied in this course, students will develop financial goals, and create realistic and measurable objectives to be MONEY SMART! Through project-based learning activities and tasks, students will apply mathematical concepts in realistic scenarios and will actively engage by applying the mathematics necessary to make informed decisions related to personal finance. Financial Literacy places great emphasis on problem solving, reasoning, representing, connecting and communicating financial data. Students will utilize the Dave Ramsey Foundations Digital Online Course. Student cost for the program to be paid in My Payments Plus is $30.	None	9-12	½ unit per semester

Work Based Learning - 2 Semester, 1 Credit Course- Standalone Course			
WBL: The Cobb County Work-Based Learning (Structured Work Experience) is a planned program of work experience coordinated through the high school's WBL Coordinator. Your WBL experience may be paid or non-paid experience. Ideally your work experience will be related to your future career objective. Students should have acquired employment by the start of the semester to remain eligible.	None	11-12	½ unit per semester

Sports & Entertainment Marketing Pathway			
Marketing Principles: This is the foundational course for all pathways in Marketing Education. Marketing Principles addresses all the ways in which marketing satisfies consumer and business needs and wants for products and services. Students develop an understanding of the functions of marketing and how these functional areas affect all businesses. They learn basic marketing concepts and the role of marketing in our economy. Students also develop skills in applying economic concepts to marketing, distribution and logistics, marketing information management, finance in marketing, product/service planning, pricing mixes, promotional strategies, and personal selling.	None	9-12	½ unit per semester
Sports and Entertainment Marketing/Advanced Sports and Entertainment Marketing: This course introduces the student to the major segments of the Sports and Entertainment Industry and the social and economic impact the industry has on the local, state, national, and global economies. The products and services offered to consumers and the impact of marketing on these products and services are examined. Units include: Business Fundamentals, Product Mix, Product Knowledge, Product/Service Management, Business Regulations, Interpersonal Skill, Selling, Marketing Information Management, Economics, Distribution, Pricing, Advertising, Publicity/Public Relations, Sales Promotion, Business Risks, and Organization. This course provides students opportunities to develop managerial and analytical skills and deepen their knowledge in sports/entertainment marketing. Topical units include: Marketing-Information Management, Selling, Publicity/Public Relations, Sales Promotion, Management of Promotion, Product Mix, Pricing, Positioning, and Marketing Planning. Advanced Sports Marketing offered the secondsemester. Students who pass the End of Course Pathway Assessment will earn a CTAE Pathway Diploma Seal and Graduation Cord.	Marketing Principles	10-12	1 unit per semester

Marketing Communications and Promotions Pathway-Teacher Approval Only-After Sports Pathway			
Marketing Principles: This is the foundational course for all pathways in Marketing Education. Marketing Principles addresses all the ways in which marketing satisfies consumer and business needs and wants for products and services. Students develop an understanding of the functions of marketing and how these functional areas affect all businesses. They learn basic marketing concepts and the role of marketing in our economy. Students also develop skills in applying economic concepts to marketing, distribution and logistics, marketing information management, finance in marketing, product/service planning, pricing mixes, promotional strategies, and personal selling.	None	9-12	½ unit per semester
Promotions and Digital Marketing/Integrated Marketing Communications: The Marketing Communications Course is a one-year, two full credit course designed to teach students how to run and market their own business. For juniors and seniors that have successfully passed the Sports Marketing Pathway. Students will learn key responsibilities for promotion with a focus on digital marketing concepts. Students develop knowledge and skills in advertising, selling, direct marketing, public relations, sales promotions, and digital marketing communications. Students learn how communications affects budget considerations, marketing information decision-making and all future business opportunities. Students in the course are required to join and compete with the Lassiter DECA club. Students who pass the End of Course Pathway Assessment will earn a CTAE Pathway Diploma Seal and Graduation Cord. Teacher Approval Required.	Marketing Principles	11-12	1 unit per semester

Engineering & Technology Pathway- First 3 Courses Completes Course Pathway			
Foundations of Engineering and Technology A & B: The Foundations of Engineering and Technology is the introductory course for the Engineering and Technology Education pathways. This course provides the students with an overview of engineering and technology including the different methods used in the engineering design process developing fundamental technology and engineering literacy. Students will demonstrate the skills and knowledge they have learned through various problem-based learning (PBL) activities while using an engineering design process to successfully master the "E" in STEM.	None	9	½ unit per semester
Engineering Concepts A & B: Engineering Concepts is the second course in the Engineering and Technology Pathway. Students will learn to design technical solutions to engineering problems using a whole systems approach to engineering design. Students will demonstrate the application of CAD, teamwork, and communications skills in solving various design challenges, while maintaining a safe work environment.	Foundations of Engineering and Technology	10-12	½ unit per semester
Engineering Applications A & B: Engineering Applications is the third course in the Engineering and Technology Pathway. Students will apply their knowledge of Science, Technology, Engineering, and Math (STEM) to develop solutions to technological problems. Solutions will be developed using a combination of engineering software, materials processing, testing equipment, data collection and prototype production processes. Projects will allow students to demonstrate their depth of knowledge of the engineering design process and prepare them for future opportunities in the field of engineering. Students who pass the End of Course Pathway Assessment will earn a CTAE Pathway Diploma Seal and Graduation Cord.	Engineering Concepts	11-12	½ unit per semester
Research & Development A & B: This course is designed for the student considering a career in engineering or technical fields. It provides students with opportunities to research, design, and experiment in one or more of the technology systems (communication, energy and power, transportation, production, and bio-related technologies). Considerable independent work is involved as students investigate appropriate solutions to technological problems, utilizing research, data collection, design, prototype development, and working models.	Three semesters of Engineering or teacher approval	11-12	½ unit per semester

Aeronautical Engineering- Admission into STEM Required. The 3 Courses Required for Pathway Completion are Noted.			
STEM H PLTW Intro to Engineering Design A & B: In PLTW Introduction to Engineering Design, you will learn how engineers apply a design process to solve real-world problems. You will work individually and as a member of collaborative teams to apply math, science, and a variety of engineering tools, including 3D modeling software, to design, document, and communicate your engineering work. Many of the transportable skills your practice in this course- such as communication, collaboration, ethical reasoning, and process thinking- can be applied to your other courses and your future career! Required for Pathway Completion.	Admission into STEM	9	½ unit per semester
STEM H PLTW Principles of Engineering A & B: In PLTW Principles of Engineering, you will explore a broad range of engineering topics, including mechanisms, materials, structures, automation, and motion. You will work like an engineer to apply an engineering design process to solve challenging problems, document your solutions, and communication your work. The transportable skills you practice in this course- such as communication, collaboration, and process thinking- can be applied to your other courses and your future career! Required for Pathway Completion.	PLTW Intro to Engineering A&B	10	½ unit per semester
STEM H PLTW Aerospace A & B: In PLTW Aerospace Engineering you will explore the fundamentals of air and space flight and orbital mechanics. You'll apply what you learned to design components of flight systems—including an airfoil, a propulsion system, a rocket—and model the orbit of the International Space Station. You'll also investigate ways to use aerospace concepts in engineering design for other applications—a wind turbine and a parachute—and learn about using remote sensing to explore a planet. Are you ready to take off? Students who pass the End of Course Pathway Assessment will earn a CTAE Pathway Diploma Seal and Graduation Cord. Required for Pathway Completion.	PLTW Principles of Engineering A&B	11	½ unit per semester
STEM H PLTW Engineering Design and Development A & B: In Engineering Design and Development, you will work with a team to engineer a solution to a problem that you identify. During the design process, you will research and clearly define the problem, then develop and test at least one original solution. You will work closely with experts and hone your collaboration and communication skills as you work. Finally, you will present and defend your solution to an outside panel.	PLTW Aerospace Engineering A&B	12	½ unit per semester

NJROTC Pathway- First 3 Courses Completes Course Pathway Requirements			
Naval Science IA & IB: Introduces students to the Navy JROTC Program, emphasizing leadership, citizenship, patriotism and a disciplined life style. Students participate in academics, close order drill, and physical fitness. The curriculum includes Navy JROTC organization and regulations, introduction to leadership, our nation and its people, sea power and maritime geography, oceanography, naval history, health and first aid. Additionally, students have the opportunity to advance in the Navy JROTC promotion system based on individual merit accomplishments and participation. Normally, first year students achieve the rate of Seamen during their first year.	None	9-12	½ unit per semester
Naval Science IIA & IIB: Begins with an introduction to naval leadership to include approaches to leadership and influencing behavior and personal responsibility. Students continue to participate in close order drill and physical fitness. In addition to naval leadership, the curriculum includes citizenship and fundamentals of American democracy, naval history: 1815 through World War II, fundamentals of navigation, and an introduction to survival training. Normally students continue to advance through the promotion system and can achieve the rate of Petty Officer during their second year.	Naval Science I	10-12	½ unit per semester
Naval Science IIIA & IIIB: Begins with leadership techniques to include evaluation of performance and how to give instruction. Students continue to develop their close order drill ability and physical fitness. In addition to advanced leadership techniques, the curriculum includes military justice, astronomy, international law, sea power and national security, naval history: post World War II, and naval operations, communications and intelligence. Normally students continue to advance through the promotion system and can achieve the rate of Chief Petty Officer or Ensign during their third year. Students who earn credits in Naval Science I, II, and III will earn a CTAE Pathway Diploma Seal and Graduation Cord.	Naval Science II	11-12	½ unit per semester

<u>Naval Science IVA &IVB</u>: Begins and ends with advanced leadership techniques to include applying leadership traits and principles. Students continue to develop their close order drill ability and physical fitness and are expected to develop their instructional abilities in these areas. In addition to learning how to apply leadership techniques, Naval Science IV students are leaders within the Navy JROTC unit. Most are billet holders, meaning they are assigned jobs and responsibilities that they perform under the tutelage of the Senior Naval Science Instructor and Naval Science Instructor. Normally students have advanced through the promotion system achieving the rate of Chief Petty Officer, Ensign Lieutenant Junior Grade, Lieutenant, or Lieutenant Commander. ****Field orientation trips to major military bases occur each semester as well as numerous after school activities, i.e. drill team, color guard, rifle marksmanship, athletics and orienteering. Navy JROTC underclassmen have the opportunity to attend adventure training during the summer. Rising seniors can attend Navy JROTC leadership academies, Girls' State, Boys' State, etc. which prepares them for leadership roles during the coming school year. Navy JROTC classes are held at Lassiter HS.*	Naval Science III	11-12	½ unit per semester

Computer Science- 2 Semester, 1 Credit Standalone Courses			
<u>AP Computer Science Principles:</u> AP Computer Science Principles is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.	Algebra I	10-12	½ unit per semester
<u>AP Computer Science:</u> AP Computer Science is a yearlong course that emphasizes programming methodology. It takes an object-oriented approach to programming based on encapsulating procedures and data. AP Computer Science is taken to prepare students to take the College Board AP Computer Science A exam. This course uses the Java programming language. Note: Students who enroll in this course must be inquisitive, able to work independently and self-directed. Students completing this course are expected to take the AP exam. Prerequisites are completion of Algebra II and Math Teacher/ Department Recommendation.	Algebra II	10-12	½ unit per semester

Audio Video Technology and Film Pathway I- First 3 Courses Completes Course Pathway Requirements			
Audio Video Technology and Film I A & B: This course will serve as the foundational course in the Audio & Video Technology & Film pathway. The course prepares students for employment or entry into a postsecondary education program in the audio and video technology career field. Topics covered may include, but are not limited to: terminology, safety, basic equipment, script writing, production teams, production and programming, lighting, recording and editing, studio production, and professional ethics. Skills USA, the Georgia Scholastic Press Association, Technology Student Association (TSA) and Student Television Network are examples of, but not limited to, appropriate organizations for providing leadership training and/or for reinforcing specific career and technical skills and may be considered an integral part of the instructional program. All material covered in Audio & Video Technology & Film I will be utilized in subsequent courses.	None	9-12	½ unit per semester
Audio Video Technology and Film II A & B: This one credit course is the second in a series of three that prepares students for a career in Audio Video Technology and Film production and/or to transfer to a postsecondary program for further study. Topics include Planning, Writing, Directing and Editing a Production; Field Equipment Functions; Operational Set-Up and Maintenance; Advanced Editing Operations; Studio Productions; Performance; Audio/Video Control Systems; Production Graphics; Career Opportunities; and Professional Ethics. Skills USA, the Georgia Scholastic Press Association, Technology Student Association (TSA) and Student Television Network are examples of, but not limited to, appropriate organizations for providing leadership training and/or for reinforcing specific career and technical skills and may be considered an integral part of the instructional program.	Audio Video Tech and Film 1	10-12	½ unit per semester
Audio Video Technology and Film III A & B: This one-credit transition course is designed to facilitate student-led projects under the guidance of the instructor. Students work cooperatively and independently in all phases of production. Skills USA, the Georgia Scholastic Press Association, Technology Student Association (TSA), and Student Television Network are examples of, but not limited to, appropriate organizations for providing leadership training and/or for reinforcing specific career and technical skills and may be considered an integral part of the instructional program. Students who pass the End of Course Pathway Assessment will earn a CTAE Pathway Diploma Seal and Graduation Cord.	Audio Video Tech and Film II	11-12	½ unit per semester

Audio Video Technology and Film Pathway II- The Following 3 Courses Completes Course Pathway Requirements. Teacher Approval Required			
Audio Video Technology and Film I A & B: This course will serve as the foundational course in the Audio & Video Technology & Film pathway. The course prepares students for employment or entry into a postsecondary education program in the audio and video technology career field. Topics covered may include, but are not limited to: terminology, safety, basic equipment, script writing, production teams, production and programming, lighting, recording and editing, studio production, and professional ethics. Skills USA, the Georgia Scholastic Press Association, Technology Student Association (TSA) and Student Television Network are examples of, but not limited to, appropriate organizations for providing leadership training and/or for reinforcing specific career and technical skills and may be considered an integral part of the instructional program. All material covered in Audio & Video Technology & Film I will be utilized in subsequent courses.	None	9-12	½ unit per semester
Audio Video Technology and Film II A & B: This one credit course is the second in a series of three that prepares students for a career in Audio Video Technology and Film production and/or to transfer to a postsecondary program for further study. Topics include Planning, Writing, Directing and Editing a Production; Field Equipment Functions; Operational Set-Up and Maintenance; Advanced Editing Operations; Studio Productions; Performance; Audio/Video Control Systems; Production Graphics; Career Opportunities; and Professional Ethics. Skills USA, the Georgia Scholastic Press Association, Technology Student Association (TSA) and Student Television Network are examples of, but not limited to, appropriate organizations for providing leadership training and/or for reinforcing specific career and technical skills and may be considered an integral part of the instructional program.	Audio Video Tech and Film 1	10-12	½ unit per semester
Audio Video Technology and Film IV A & B: This course is designed to assist students in mastering skills necessary to gain entry level employment or to pursue a post-secondary degree or certificate. Students who pass the End of Course Pathway Assessment will earn a CTAE Pathway Diploma Seal and Graduation Cord.	Audio Video Tech and Film III	12	½ unit per semester

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