

Ringgold High School 2016-2017 CTAE & Business Pathways (Course Descriptions)

Chuck Williams:

Agriscience Systems

- 02.47100 Basic Agriculture Science
- 02.42100 Animal Science and Biotechnology
- 02.44100 Plant Science and Biotechnology

Food Animal Systems

- 02.47100 Basic Agriculture Science
- 02.42100 Animal Science and Biotechnology
- 01.43200 Agriculture Animal Production and Management

Tim Elliott:

Carpentry

- 46.54500 Industry Fundamentals and Occupational Safety
- 46.54600 Introduction to Construction
- 46.55000 Carpentry I

Greg Sharrock:

Graphic Design

- 48.56100 Introduction to Graphics and Design
- 48.56200 Graphics Design and Production
- 48.52800 Advanced Graphic Design

Graphic Communication

- 48.56100 Introduction to Graphics and Design
- 48.56200 Graphics Design and Production
- 48.57000 Advanced Graphic Output Processes

Rosanne Hendricks:

Early Childhood Care and Education

- 20.52810 Early Childhood Education I
- 20.42400 Early Childhood Education II
- 20.42500 Early Childhood Education III

Travis Head:

**Law Enforcement Services/
Criminal Investigations**

- 43.45000 Introduction to Law, Public Safety, Corrections and Security
- 43.45100 Criminal Justice Essentials
- 43.45300 Criminal Investigations

James Creamer, Larry Sisemore:

JROTC Army

- 28.03100 JROTC Army Leadership Education I
- 28.03200 JROTC Army Leadership Education 2
- 28.03300 JROTC Army Leadership Education 3
- 28.03400 JROTC Army Leadership Education 4
- 28.03500 JROTC Army Leadership Education 5
- 28.03600 JROTC Army Leadership Education 6
- 28.03700 JROTC Army Leadership Education 7
- 28.03800 JROTC Army Leadership Education 8

Robin Gardner:

**Therapeutic Services/
Allied Health and Medicine**

- 25.52100 Introduction to Healthcare Science
- 25.44000 Essentials of Healthcare
- 25.43700 Allied Health and Medicine

**Therapeutic Services/
Nursing Pathway**

- 25.52100 Introduction to Healthcare Science
- 25.52200 Applications of Therapeutic Services
- 25.56100 Nursing Essentials* (Dual Enrollment Course with Georgia Northwestern Tech)
- 25.43600 Patient Care Fundamentals

**Therapeutic Services/
Public Health**

- 25.52100 Introduction to Healthcare Science
- 25.52200 Applications of Therapeutic Services
- 25.45200 Applications of Public Health

Kym Johnson, Sandy Kilgore, and Bob Snyder

Business and Technology

- 07.44130 Introduction to Business and Technology
- 07.44100 Business and Technology
- 07.45100 Business Communications

Entrepreneurship

- 07.44130 Introduction to Business and Technology
- 06.41500 Legal Environment of Business
- 06.41610 Entrepreneurship

Programming Pathway

- 11.41500 Introduction to Digital Technology
- 11.47100 Computer Science Principles
- 11.47200 Programming, Games, Apps, and Society

CAREER TECHNICAL AGRICULTURAL EDUCATION (CTAE)

Career Technical pathways consist of a required three courses plus one additional course in that same career cluster. Some of the career pathways have been industry certified by the National Occupational Competency Testing Institute. Student certification will be based upon the student's score on an industry exam taken after completing all the coursework. Pathways are intended to be taken in order.

Introduction to Business & Technology Required

Grade Level: 9

The course is designed for students as a gateway to the career pathways, and provides an overview of business and technology skills required for today's business environment. 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.

Or Introduction to Digital Technology

This course is designed for 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.

Agriculture Elective

Grade Level: 9-12

The Agriculture Pathway includes the production, processing, marketing, financing, distribution, and development of agricultural commodities and resources. These commodities include food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources. RHS offers two pathways in this field.

Food Animal Systems

1. Basic Agricultural Science
2. Animal Science and Biotechnology
3. Agricultural Animal Production and Management

Agriscience Systems

1. Basic Agricultural Science
2. Animal Science and Biotechnology
3. Plant Science and Biotechnology

Business and Computer Science Elective

Grade Level: 9-12

The Business and Computer Science Pathway prepares students with computer skills for future college and career plans. Cluster skills mastered include planning, organizing, directing, and evaluating as well as owning and operating a successful business. RHS offers two pathways in this field.

Business and Technology

1. Introduction to Business and Technology
2. Business and Technology
3. Business Communications

Entrepreneurship

1. Introduction to Business and Technology
2. Legal Environment of Business
3. Entrepreneurship

Programming

1. Introduction to Digital Technology
2. Computer Science Principles
3. Programming, Games, Apps, and Society

Carpentry

Grade Level: 9-12

Elective

The Construction Pathway includes studies in designing, planning, managing, and building structures.

1. Industry Fundamentals and Occupational Safety
2. Introduction to Construction
3. Carpentry

Criminal Investigations

Grade Level: 9-12

Elective

The Law, Public Safety, Corrections, & Security Career Cluster prepares individuals for employment relating to emergency and fire services, legal services, protective services, and homeland security.

1. Introduction to Law, Public Safety, Corrections, and Security
2. Criminal Justice Essentials
3. Criminal Investigations

Early Childhood Care and Education

Grade Level: 9-12

Elective

The Education Pathway includes planning, managing, and providing education and training services as well as related educational support services.

1. Early Childhood Education I
2. Early Childhood Education II
3. Early Childhood Education III

Graphic Communication and Design

Grade Level: 9-12

Elective

The Graphics Pathway includes designing, producing, exhibiting, performing, writing, and publishing multimedia content. RHS offers two pathways in this field.

Graphic Communications

1. Introduction to Graphics and Design
2. Graphic Design and Production
3. Advanced Graphic Output Processes

Graphic Design

1. Introduction to Graphics and Design
2. Graphic Design and Production
3. Advanced Graphic Design

Health Science
Elective

Grade Level: 9-12

The Health Science Career Cluster includes planning, managing, and providing services in therapeutics, diagnostics, health informatics, support areas, and biotechnology research and development. RHS offers two pathways in this field.

Allied Health and Medicine

1. Introduction to Healthcare Science
2. Essentials of Healthcare
3. Allied Health and Medicine

JROTC - Army
Elective

Grade Level: 9-12

I, II, III, IV, V, VI, VII, VIII

This course includes classroom instruction and laboratory instruction in the history, customs, traditions and purpose of Army JROTC. It contains the development of basic leadership principles, values and attributes. The performance standards in this course are based on the performance standards identified in the curriculum for the US Army JROTC.

Work Based Learning (WBL)
Elective

Grade Level: 11-12

Applicants for Work-Based Learning (WBL) encompasses internship (unpaid), cooperative work experience, and apprenticeship. In order to receive credit for WBL, students must complete several assignments a month including journals and time logs. **Georgia requires students participating in WBL to complete a CTAE pathway.**