

# Course Descriptions - River Ridge High School

## Aerospace Engineering

**Course Number:** 8600620

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:** Intro to Engineering Design  
Computer Integrated Manufacturing

**Bright Scholars:**  
**Gold Seal Core Course:**  
**Gold Seal Voc. Course:**

**Course Description:** 3rd year course of Academy of Engineering

The course engages students in engineering design problems related to aerospace information systems, astronautics, rockery, propulsion, the physics of space science, space life sciences, the biology of space science, principles of aeronautics, structures and materials, and systems engineering. Using 3 - D design software students work in teams utilizing hands-on activities, projects, and problems and are exposed to various situations encountered by aerospace engineers.

## Business Ownership

**Course Number:** 8812000

**Grade Level:** 11,12

**Course Length:** Year

**Graduation Area:** Vocational

**Credit:** 1.0

**Prerequisites:** 9-12, 30, 31

**Bright Scholars:**  
**Gold Seal Core Course:**  
**Gold Seal Voc. Course:**

**Course Description:** Business Ownership provides students with the skills needed to realistically evaluate their potential as a business owner and develops the fundamental knowledge & skills necessary to start and operate a business.

# Course Descriptions - River Ridge High School

## Art

### AP Art-History of Art

**Course Number:** 0100300

**Grade Level:** 11, 12

**Course Length:**

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:** Teacher recommendation

**Bright Scholars:**

**Gold Seal Core Course:**

**Gold Seal Voc. Course:**

**Course Description:** The course is organized to include material from the ancient world through the twenty-first century.

The course teaches students to understand works of arts within their historical context by examining issues such as politics, religion, patronage, gender, function, and ethnicity. The course also teaches students visual analysis of works of art.

The course teaches students to understand works of art through both contextual and visual analysis.

Roughly, 20% of the course content is devoted to art beyond the European tradition.

### Art/2-D Comprehensive 1

**Course Number:** 0101300

**Grade Level:** 9, 10, 11, 12

**Course Length:** Semester

**Graduation Area:** Performing Fine Arts

**Credit:** .5

**Prerequisites:** None.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to enable students to communicate ideas or concepts through the use of two-dimensional design and composition.

# Course Descriptions - River Ridge High School

## Art/2-D Comprehensive 2

**Course Number:** 0101310

**Grade Level:** 10, 11, 12

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 1.0

**Prerequisites:** Successful completion of C or better in Art/2-D Comprehensive I.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to give students an extensive experience in the artistic expression of ideas through two-dimensional art media. The content includes the artistic qualities of original art, design principles, manipulative skills and organization, and the aesthetic merit and qualities of two-dimensional works of art. Also included should be production and critiquing of ideas and/or images; the elements of color, value, line, space, shape/form and texture; principles of emphasis, balance, rhythm, unit, repetition, contrast and proportion; expressive ideas in painting and other two-dimensional art; and the development and refinement of skills, self-expression and knowledge in various selected media and areas of interest.

## Art/2-D Comprehensive 3

**Course Number:** 0101320

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 1.0

**Prerequisites:** Successful completion of C or better in Art/2-D Comprehensive II.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to give students experience in the artistic expression of ideas through two-dimensional art media. The content includes perception and response to the expressive character of two-dimensional art; the production of drawings and paintings and other two-dimensional art; reconsideration of certain fixed ideas about darks and lights and positive and negative space; deliberate, precise and free approaches to subjects; development of skills of concentration, perceptual awareness, intense study, and creative imagination.

## Art/3-D Comprehensive 1

**Course Number:** 0101330

**Grade Level:** 9, 10, 11, 12

**Course Length:** Semester

**Graduation Area:** Performing Fine Arts

**Credit:** .5

**Prerequisites:** Successful completion of previous art course or teacher approval.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to enable students to communicate ideas or concepts through the use of three-dimensional design and composition.

# Course Descriptions - River Ridge High School

## Art/3-D Comprehensive 2

**Course Number:** 0101340

**Grade Level:** 10, 11, 12

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 1.0

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Prerequisites:** Successful completion of C or better in Art/3-d Comprehensive I or its equivalent.

**Course Description:** The purpose of this course is to give students an understanding of three-dimensional art methods, media, techniques and craftsmanship. The content includes production and appreciation of original 3-D art forms; perception and response to design qualities; the value of design in 3-D art; the production of individual sculpture and 3-D art statements; understanding the history of tradition and contemporary 3-D art and relationship of arts to the cultures in which they are found. The content should also include the criterion for making judgments about the aesthetic merits of 3-D art; opportunities to utilize technical and compositional skills for expression in various mediums; the practice of design skills using line, shape, texture, form, space and color; development of creativity, problem-solving and personal expression through an understanding of the relationship between technical process, form and function within historical perspective; craftsmanship, presentation, critique, evaluation and discussion of aesthetic merits of 3-D art; knowledge and practices of safety principles, and exploration of art career possibilities.

## Art/3-D Comprehensive 3

**Course Number:** 0101350

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 1.0

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Prerequisites:** Successful completion of C or better in Art/3-D Comprehensive II or its equivalent.

**Course Description:** The purpose of this course is to give students an understanding of three-dimensional art methods, media, techniques and craftsmanship. The content includes the production of original 3-D art forms; perception and response to relationships of design qualities; the value of sculpture and functional forms; the production of individual and imaginative statements in sculpture; knowledge about traditional and contemporary merits of 3-D art forms; student utilization of technical, compositional and expressive skills; generation of creative ideas, problem-solving and planning for personal expression; and exploration of art career possibilities.

# Course Descriptions - River Ridge High School

## Drawing and Painting 1

**Course Number:** 0104320

**Grade Level:** 9, 10, 11, 12

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 1.0

**Prerequisites:** None

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The course is geared to students to provide an introduction to drawing and Painting.

## Creative Photography 1

**Course Number:** 0108310

**Grade Level:** 9, 10, 11, 12

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 0.5

**Prerequisites:** Access to 35 millimeter camera.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to enable students to develop an understanding of photographic imagery by demonstrating proficiency in photographic techniques and processes.

## Creative Photography 2

**Course Number:** 0108320

**Grade Level:** 9, 10, 11, 12

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 0.5

**Prerequisites:** Successful completion of C or better in Creative Photography I or its equivalent or teacher approval.

Access to 35 millimeter camera.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to give students an understanding of photographic imagery. The content includes a study of photography as a visual communication; perception and response to the visual aspects of photography found in prints, slides and published images; the valuing of the photographic image as a visual statement; the production of photographs with particular subject matter, types of lighting and variations in printing; the knowledge of images and styles of major photographers; the criteria for critically analyzing photographs to make judgments concerning quality; the knowledge of basic techniques for proper presentation of photographic works; and the exploration of art career possibilities in photography.

# Course Descriptions - River Ridge High School

## Portfolio 1

**Course Number:** 0109310

**Grade Level:** 10, 11, 12

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 1.0

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Prerequisites:** Successful completion of B or better in previous art courses or teacher approval.

**Course Description:** The purpose of this course is to enable students to create a portfolio of art works, including a statement of purpose. Emphasis will be placed on the use and management of a professional portfolio.

# Course Descriptions - River Ridge High School

## Dance

### Dance Technique 1

**Course Number:** 0300310

**Grade Level:** 9, 10

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 0.5

**Prerequisites:** None.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide students with knowledge and skills in various dance styles through acquisition of technique, choreographic process, aesthetic awareness, and performance quality.

### Dance Techniques 2

**Course Number:** 0300320

**Grade Level:** 10, 11, 12

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 0.5

**Prerequisites:** Successful completion of Dance Technique I.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to extend the acquisition of knowledge and the development of techniques of dance. Acquisition of technique and choreography skills should be stressed.

### Dance Techniques 3

**Course Number:** 0300330

**Grade Level:** 10, 11, 12

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 1.0

**Prerequisites:** None.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to enable students to acquire knowledge of choreography and refine performing skills in various dance techniques (modern, jazz, tap, and ethnic genres).

# Course Descriptions - River Ridge High School

## Dance Choreography/Performance 1

**Course Number:** 0300380

**Grade Level:** 9, 10, 11, 12

**Course Length:**

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:**

**Bright Scholars:**

**Gold Seal Core Course:**

**Gold Seal Voc. Course:**

**Course Description:** The purpose of this course is to enable students to develop knowledge of choreography and performance skills, and apply it to varied dance genres, such as ballet, modern, jazz, ethnic, and tap. The content should include, but not be limited to, the following:

- history of major genres, dancers, and choreographers
- choreographic principles
- technical proficiency in varied styles
- improvisation and transitional movements
- elements of music
- choreographic design
- performance analysis
- connections between dance and healthful living
- connections between dance and other subject areas

## Dance Choreography/Performance 2

**Course Number:** 0300390

**Grade Level:** 10, 11, 12

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 1.0

**Prerequisites:**

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide the talented and skilled dancers with opportunity to further extend the acquisition of knowledge of techniques of choreography and performance. The content should include, but not be limited to experiences in dance critique, research on periods in dance history, lighting design, intermediate and advanced dance techniques in a variety of dance forms, and dance choreography for performance.



# Course Descriptions - River Ridge High School

## Dance Techniques 4

**Course Number:** 0300490

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 1.0

**Prerequisites:**

**Bright Scholars:**

**Gold Seal Core Course:**

**Gold Seal Voc. Course:**

**Course Description:** The purpose of this course is to enable students to further develop advanced knowledge and skills in varied dance styles through acquisition and improvement of technique, choreographic process, aesthetic elements, performance quality, and expressive range. Emphasis shall be placed on staging techniques through independent work in solo and group choreography, culminating in a final performance project. The content should include, but not be limited to, the following:

- technical skills and techniques in varied dance styles
- movement terminology
- solo and ensemble performance
- group movement and choreographic principles, processes, and structures
- historical and cultural perspectives
- critical and creative processes
- performance evaluation
- personal performance style
- performance repertoire
- staging techniques for dance performances
- connections between dance and healthful living
- connections between dance and other subject areas

# Course Descriptions - River Ridge High School

## Drama-Theatre Arts

### Drama 1

**Course Number:** 0400310

**Grade Level:** 9, 10, 11, 12

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 1.0

**Prerequisites:** Successful completion of Introduction to Drama or its equivalent or teacher recommendation.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide students with increasingly in-depth study of the multiple elements of the theatre as a collaborative art.

### Drama 2

**Course Number:** 0400320

**Grade Level:** 10, 11, 12

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 1.0

**Prerequisites:** Successful completion of C or better in Drama I or its equivalent or teacher recommendation.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to continue the development of skills from Drama I useful to the study and practice of theatre arts. The content includes instruction in reading and interpreting dramatic literature, studying techniques and mechanics of acting: set, costume and lighting design, as well as other feature of stagecraft.

### Drama 3

**Course Number:** 0400330

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 1.0

**Prerequisites:** Successful completion of C or better in Drama II or its equivalent or teacher recommendation.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide opportunities for drama students to continue study in acting and production techniques. The content should include, but not be limited to, instruction in specific acting techniques used in various kinds of dramatic presentations, study of acting theories, practice and theory in set design, make-up, and lighting.

# Course Descriptions - River Ridge High School

## Drama 4

**Course Number:** 0400340

**Grade Level:** 12

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 1.0

**Prerequisites:** Successful completion of C or better in Drama III or its equivalent or teacher recommendation.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide opportunities for advanced drama students to continue study in various aspects of dramatic and theatrical art. The content includes the study and practical application in costume, scenery, lighting, a sound design, make-up techniques, advanced acting techniques and theatrical management. Acting emphasis will be placed upon the development of unique performing styles and solo and ensemble presentations.

# Course Descriptions - River Ridge High School

## ESE

### Community and Social Skills for Functional Living

**Course Number:** 7961050

**Grade Level:** 9, 10, 11, 12

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:** none

**Bright Scholars:** No

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide instruction in skills for community participation and social interaction to enable students with disabilities to function at their highest levels and participate effectively at home, in the community, and in the workplace.

### Career Preparation

**Course Number:** 7980110

**Grade Level:** 9, 10, 11, 12

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:** Identification and placement in an exceptional student education program as prescribed in *District Procedures for Providing Special Programs for Exceptional Students*.

**Bright Scholars:** No

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide instruction in employability skills.

### Career Experiences

**Course Number:** 7980120

**Grade Level:** 9, 10, 11, 12

**Course Length:** Year

**Graduation Area:** Vocational

**Credit:** 1.0

**Prerequisites:** Identification and placement in an exceptional student education program as prescribed in *District Procedures for Providing Special Programs for Exceptional Students*.

**Bright Scholars:** No

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Course Description:** This course is designed to enable students who are moderately disabled to develop the career knowledge and skills necessary to identify career options, access community resources and practice work related behaviors.

# Course Descriptions - River Ridge High School

## Career Placement

**Course Number:** 7980130

**Grade Level:** 9, 10, 11, 12

**Course Length:** Year

**Graduation Area:** Vocational

**Credit:** 1.0

**Prerequisites:** Identification and placement in an exceptional student education program as prescribed in *District Procedures for Providing Special Programs for Exceptional Students*.

**Bright Scholars:** No

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to enable students to gain valuable employability skills through actual work experiences in or out of school.

# Course Descriptions - River Ridge High School

## Foreign Languages

### French 1

**Course Number:** 0701320

**Grade Level:** 9, 10, 11

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:** None.

**Bright Scholars:** Yes

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Course Description:** This course introduces students to the French language and its culture. The content includes beginning skills in speaking, listening, reading, and writing French. Special attention is focused on French pronunciation. Standards for Communication, Knowledge and Understanding of other cultures, connections with other disciplines to acquire information, insight into the nature of language and culture and participation in multilingual communities at home and around the world are emphasized through target language instruction at the novice-low novice-mid levels of language proficiency as determined by the ACTFL guidelines.

### French 2

**Course Number:** 0701330

**Grade Level:** 10, 11, 12

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:** Successful completion of French I or mastery of the student performance standards and course level competencies corresponding to French I.

**Bright Scholars:** Yes

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Course Description:** This course reinforces the fundamental skills acquired in French I. It continues to develop the students' listening, speaking, reading, and writing abilities in French. Oral communication is emphasized.

This course continues to develop the students' listening, speaking, reading and writing abilities in French. Standards for Communication, Knowledge and Understanding of other cultures, connections with other disciplines to acquire information, insight into the nature of language and culture and participation in multilingual communities at home and around the world are emphasized through target language instruction at novice high to intermediate low of language proficiency as determined by the ACTFL guidelines.

# Course Descriptions - River Ridge High School

## French 3

**Course Number:** 0701340

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:** Successful completion or mastery of the student performance standards and course level competencies corresponding to French II.

**Bright Scholars:** Yes

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Course Description:** This course reinforces and expands the skills acquired by the student in French II. The content includes the expansion of vocabulary and conversational skills through discussions based on selected readings. The students' acquisition of grammatical concepts is strengthened. Vocabulary study stresses activities which are important to the everyday life of French-speaking people.

This course continues to develop the students' listening, speaking, reading and writing abilities in French. Standards for Communication, Knowledge and Understanding of other cultures, connections with other disciplines to acquire information, insight into the nature of language and culture and participation in multilingual communities at home and around the world are emphasized through target language instruction at the intermediate mid-intermediate high levels of language proficiency as determined by the ACTFL guidelines.

## French 4

**Course Number:** 0701350

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:** Successful completion or mastery of the student performance standards and course level competencies corresponding to French III.

**Bright Scholars:** Yes

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Course Description:** This course concentrates on the more advanced language structures and idiomatic expressions, with emphasis on conversational skills. Vocabulary is expanded. Students read from a variety of sources including French literature, participate in discussions and write reports.

This course continues to develop the students' listening, speaking, reading and writing abilities in French. Standards for Communication, Knowledge and Understanding of other cultures, connections with other disciplines to acquire information, insight into the nature of language and culture and participation in multilingual communities at home and around the world are emphasized through target language instruction at the intermediate high to advanced low levels of language proficiency as determined by the ACTFL guidelines.

# Course Descriptions - River Ridge High School

## AP - French Language

**Course Number:** 0701380

**Grade Level:** 12

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Bright Scholars:** Yes

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Prerequisites:** Successful completion of French III or mastery of the student performance standards and course competencies corresponding to French III.

**Course Description:** This course concentrates on the development of advanced oral and written proficiency in the French language. The course prepares the student to take the College Board Advanced Placement Examination in French. The content of the course follows the Advanced Placement Program guidelines and the ACTFL advanced level guidelines for determining language proficiency.

The Advanced Placement examination in a foreign language represents a national standard set by Princeton University. Successful achievement scores on the examination guarantees a waiver of college foreign language requirements, where such exist, and assure the student placement in an advanced college level class if he/she chooses to continue the study of French at the post secondary level.

## German 1

**Course Number:** 0702320

**Grade Level:** 9, 10, 11

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Bright Scholars:** Yes

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Prerequisites:** None.

**Course Description:** This course introduces students to the German language and its culture. The content includes beginning skills in speaking, listening, reading, and writing German. Special attention is focused on German pronunciation.



# Course Descriptions - River Ridge High School

## German 2

**Course Number:** 0702330

**Grade Level:** 10, 11, 12

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:** Successful completion of German I or mastery of student performance standards and course competencies corresponding to German I.

**Bright Scholars:** Yes

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Course Description:** This course reinforces the fundamental skills acquired in German. Standards for Communication, Knowledge and Understanding of other cultures, connections with other disciplines to acquire information, insight into the nature of language and culture and participation in multilingual communities at home and around the world are emphasized through target language instruction at the novice high to intermediate low levels of language proficiency as determined by the ACTFL guidelines.

## German 3

**Course Number:** 0702340

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:** Successful completion of German II or mastery of student performance standards and course competencies corresponding to German II.

**Bright Scholars:** Yes

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Course Description:** This course reinforces and expands the skills acquired by the student in German II. The content includes the expansion of vocabulary and conversational skills through discussions based on selected readings. The students' acquisition of grammatical concepts is strengthened. Vocabulary study stresses activities which are important to the everyday life of German-speaking people.

This course continues to develop the students' listening, speaking, reading and writing abilities in German. Standards for Communication, Knowledge and Understanding of other cultures, connections with other disciplines to acquire information, insight into the nature of language and culture and participation in multilingual communities at home and around the world are emphasized through target language instruction at the intermediate mid - intermediate high levels of language proficiency as determined by the ACTFL guidelines.

# Course Descriptions - River Ridge High School

## German 4

**Course Number:** 0702350

**Grade Level:** 12

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Bright Scholars:** Yes

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Prerequisites:** Successful completion of German III or mastery of student performance standards and course competencies corresponding to German III.

**Course Description:** This course concentrates on the more advanced language structures and idiomatic expressions, with emphasis on conversational skills. Vocabulary is expanded. Students read from a variety of sources including German literature, participate in discussions and write reports.

This course continues to develop the students' listening, speaking, reading and writing abilities in German. Standards for Communication, Knowledge and Understanding of other cultures, connections with other disciplines to acquire information, insight into the nature of language and culture and participation in multilingual communities at home and around the world are emphasized through target language instruction at the intermediate high to advanced low levels of language proficiency as determined by the ACTFL guidelines.

## German 5

**Course Number:** 0702360

**Grade Level:** 12

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Bright Scholars:**

**Gold Seal Core Course:**

**Gold Seal Voc. Course:**

**Prerequisites:** Successful completion of German IV or mastery of student performance standards and course competencies corresponding to German IV.

**Course Description:** This course concentrates on the more advanced language structures and idiomatic expressions, with emphasis on conversational skills. Vocabulary is expanded. Students read from a variety of sources including German literature, participate in discussions and write reports.

This course continues to develop the students' listening, speaking, reading and writing abilities in German. Standards for Communication, Knowledge and Understanding of other cultures, connections with other disciplines to acquire information, insight into the nature of language and culture and participation in multilingual communities at home and around the world are emphasized through target language instruction at the intermediate high to advanced low levels of language proficiency as determined by the ACTFL guidelines.

# Course Descriptions - River Ridge High School

## AP - German Language

**Course Number:** 0702380

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:** Successful completion of German III or mastery of the student performance standards and course competencies corresponding to German III.

**Bright Scholars:** Yes

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Course Description:** This course concentrates on the development of advanced oral and written proficiency in the German language. The course prepares the student to take the College Board Advanced Placement Examination in German. The content of the course follows the Advanced Placement Program guidelines and the ACTFL advanced level guidelines for determining language proficiency.

The Advanced Placement examination in a foreign language represents a national standard set by Princeton University. Successful achievement scores on the examination guarantees a waiver of college foreign language requirements, where such exist, and assure the student placement in an advanced college level class if he/she chooses to continue the study of German at the post secondary level.

## Spanish 1

**Course Number:** 0708340

**Grade Level:** 9, 10, 11

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:** None.

**Bright Scholars:** Yes

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Course Description:** This course introduces students to the Spanish language and its culture. The content includes beginning skills in speaking, listening, reading and writing Spanish. Special attention is focused on Spanish pronunciation.

Standards for Communication, Knowledge and Understanding of other cultures, connections with other disciplines to acquire information, insight into the nature of language and culture and participation in multilingual communities at home and around the world are emphasized through target language instruction at the novice low to novice mid levels of language proficiency as determined by the ACTFL guidelines.

# Course Descriptions - River Ridge High School

## Spanish 2

**Course Number:** 0708350

**Grade Level:** 9,10, 11, 12

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:** Successful completion of Spanish I or mastery of the student performance standards and course level competencies corresponding to Spanish I.

**Bright Scholars:** Yes

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Course Description:** This course continues to develop the students' listening, speaking, reading and writing abilities in Spanish.

Standards for Communication, Knowledge and Understanding of other cultures, connections with other disciplines to acquire information, insight into the nature of language and culture and participation in multilingual communities at home and around the world are emphasized through target language instruction at the novice high to intermediate low levels of language proficiency as determined by the ACTFL guidelines.

## Spanish 3

**Course Number:** 0708360

**Grade Level:** 10,11, 12

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:** Successful completion of Spanish I I or mastery of the student performance standards and course level competencies corresponding to Spanish II.

**Bright Scholars:** Yes

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Course Description:** This course reinforces and expands the skills acquired by the students in Spanish II. The content includes the expansion of vocabulary and conversational skills through discussions based on selected readings. Students' acquisition of grammatical concepts is strengthened. Vocabulary study stresses activities which are important to everyday life of Spanish-speaking peoples.

This course continues to develop the students' listening, speaking, reading and writing abilities in Spanish. Standards for Communication, Knowledge and Understanding of other cultures, connections with other disciplines to acquire information, insight into the nature of language and culture and participation in multilingual communities at home and around the world are emphasized through target language instruction at the intermediate mid to intermediate high levels of language proficiency as determined by the ACTFL guidelines.

# Course Descriptions - River Ridge High School

## Spanish 4

**Course Number:** 0708370

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:** Successful completion of Spanish III or mastery of the student performance standards and course level competencies corresponding to Spanish III.

**Bright Scholars:** Yes

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Course Description:** This course concentrates on the more advanced language structures and idiomatic expressions, with emphasis on conversational skills. Vocabulary is expanded. Students read from a variety of sources including Spanish literature.

This course continues to develop the students' listening, speaking, reading and writing abilities in Spanish. Standards for Communication, Knowledge and Understanding of other cultures, connections with other disciplines to acquire information, insight into the nature of language and culture and participation in multilingual communities at home and around the world are emphasized through target language instruction at the intermediate high to advanced low levels of language proficiency as determined by the ACTFL guidelines.

## AP - Spanish Language

**Course Number:** 0708400

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:** Successful completion of Spanish III or mastery of the student performance standards and course level competencies corresponding to Spanish III.

**Bright Scholars:** Yes

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Course Description:** This course concentrates on the development of advanced oral and written proficiency in the Spanish language. The course prepares the student to take the College Board Advanced Placement Examination in Spanish. The content of the course adheres to the Advanced Placement Program guidelines.

The Advanced Placement examination in a foreign language represents a national standard set by Princeton University. Successful achievement scores on the examination guarantees a waiver of college foreign language requirements, where such exist, and assure the student placement in an advanced college level class if he/she chooses to continue the study of Spanish at the post secondary level.

# Course Descriptions - River Ridge High School

## Language Arts

### English 1

**Course Number:** 1001310

**Grade Level:** 9

**Course Length:** Year

**Graduation Area:** English

**Credit:** 1.0

**Prerequisites:**

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** This course provides instruction in reading, writing, listening and speaking skills. Emphasis is placed upon vocabulary development and the improvement of reading comprehension. Composition instruction focuses upon writing effective paragraphs and multi-paragraph papers. The course includes opportunities for the student to evaluate and critique the mass media. Earning credit in English I precludes earning credit in English Skills I or English Honors I.

Course meets English graduation requirement.

### English Honors 1

**Course Number:** 1001320

**Grade Level:** 9

**Course Length:** Year

**Graduation Area:** English

**Credit:** 1.0

**Prerequisites:** Teacher Recommendation

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** This course provides advanced instruction in reading, writing, listening and speaking. Emphasis is placed on the critical analysis of a variety of literary genres. Composition instruction emphasizes all stages of the writing process, including prewriting, writing and revising. Emphasis is given to writing for a variety of different audiences. Earning credit in English Honors I precludes earning credit in English Skills or English I.

Course meets English graduation requirement.

# Course Descriptions - River Ridge High School

## English 2

**Course Number:** 1001340

**Grade Level:** 10

**Course Length:** Year

**Graduation Area:** English

**Credit:** 1.0

**Prerequisites:** 1. One English credit.

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** This course provides instruction in reading, writing, listening and speaking. Vocabulary development is emphasized. Literature study concentrates on the themes and genres that are found in world literature. Cultural differences and cultural values are explored. The course includes composition instruction which focuses on the writing of a wide range of material for various purposes and different audiences. Earning credit in English II precludes earning credit in English Skills I or English Honors II.

Course meets English graduation requirement.

## English Honors 2

**Course Number:** 1001350

**Grade Level:** 10

**Course Length:** Year

**Graduation Area:** English

**Credit:** 1.0

**Prerequisites:** 1. One English credit.

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** This course provides advanced instruction in reading, writing, listening and speaking. The universal themes of world literature are analyzed and discussed. Critical analysis of various literary genres is emphasized. Frequent practice is provided in all aspects of the composition process. Vocabulary study focuses on verbal analogies and other types of test items that are commonly found on standardized tests. Earning credit in English Honors II precludes earning credit in English Skills II or English II.

Course meets English graduation requirement.

# Course Descriptions - River Ridge High School

## English 3

**Course Number:** 1001370

**Grade Level:** 11

**Course Length:** Year

**Graduation Area:** English

**Credit:** 1.0

**Prerequisites:** Two English credits.

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** This course provides instruction in reading, writing, listening and speaking. Literature study concentrates on the themes and genres that are found in American literature. This study includes the analysis of representative examples of American literature in various genres. Vocabulary study focuses upon verbal analogies and other patterns commonly found on standardized tests. The course includes the writing of documented research papers. Earning credit in English III precludes earning credit in English Skills III or English Honors III.

Course meets English graduation requirement.

## English Honors 3

**Course Number:** 1001380

**Grade Level:** 11

**Course Length:** Year

**Graduation Area:** English

**Credit:** 1.0

**Prerequisites:** 1. Two English credits.

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** This course provides advanced instruction in reading, writing, listening and speaking. Literature study concentrates on the themes and genres that are found in American literature. Emphasis is placed on the distinctively American qualities of the literature and its ethnic and cultural diversity. Frequent writing practice is provided. This course includes the writing of documented research papers. Earning credit in English Honors III precludes earning credit in English Skills III or English III.

Course meets English graduation requirement.



# Course Descriptions - River Ridge High School

## English 4

**Course Number:** 1001400

**Grade Level:** 12

**Course Length:** Year

**Graduation Area:** English

**Credit:** 1.0

**Prerequisites:** 1. Three English credits.

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** This course provides instruction in reading, writing, listening and speaking. Literature study concentrates on the themes and genres that are found in British literature. This study includes the analysis of representative examples of British literature as well as the study of the history of the English language. The course includes the writing of documented research papers. Earning credit in English IV precludes earning credit in English Skills IV or English Honors IV.

Course meets English graduation requirement.

## English Honors 4

**Course Number:** 1001410

**Grade Level:** 12

**Course Length:** Year

**Graduation Area:** English

**Credit:** 1.0

**Prerequisites:** 1. Three English credits.

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** This course provides advanced instruction in reading, writing, listening and speaking. Literature study concentrates on the themes and genres that are found in British literature. This study includes the analysis of major British literary works of various genres. Influences that have shaped the English language throughout history are also explored. The course includes the writing of documented research papers. Earning credit in English Honors IV precludes earning credit in English Skills IV or English IV.

Course meets English graduation requirement.

# Course Descriptions - River Ridge High School

## AP English Language and Composition

**Course Number:** 1001420

**Grade Level:** 11

**Course Length:** Year

**Graduation Area:** English

**Credit:** 1.0

**Prerequisites:** English 2 or English 2 Honors

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to prepare students to take the College Board Advanced Placement Examination in English Language and Composition. The course will focus on the principles of effective writing using prose selections from a wide variety of sources. This course meets the English graduation requirement.

## AP English Literature and Composition

**Course Number:** 1001430

**Grade Level:** 12

**Course Length:** Year

**Graduation Area:** English

**Credit:** 1.0

**Prerequisites:** 1. Three English credits.  
2. A writing sample and either a grade of A or B in English Honors III or English teacher approval.

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to prepare students to take the College Board Advanced Placement Examination in English Composition and Literature. The major literary content of the course is British literature; however, any literary work that serves the purpose of developing the student's analytical skills may be introduced.

Course meets English graduation requirement.

## Journalism 1

**Course Number:** 1006300

**Grade Level:** 9, 10, 11, 12

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:** Demonstration of writing proficiency or teacher approval.

**Bright Scholars:** No

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** Yes

**Course Description:** This course is designed to be a broad-based course which will acquaint the student with the fundamentals of journalism. The content includes instruction in the history and traditions of journalism, photography, layouts, advertising, printing, and other practical aspects of journalism. The student will be involved in workshop experiences that may include writing editorials, sports and news articles, advertising, or feature stories.

# Course Descriptions - River Ridge High School

## Journalism 2

**Course Number:** 1006310

**Grade Level:** 10, 11, 12

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:** Journalism I or equivalent or teacher approval.

**Bright Scholars:** No

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Course Description:** This course is designed to continue the study of journalism that was begun in Journalism I. The student receives instruction in ways to gather information and how to write and edit news, sports, and feature stories. The student will be involved in workshop experiences that may include more advanced techniques of photography, layout, advertising, and printing. Emphasis is also placed on career opportunities related to journalism.

## Journalism 3

**Course Number:** 1006320

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:** Journalism II or equivalent or teacher approval.

**Bright Scholars:** No

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide the opportunity for an advanced journalism student to continue studies in writing and production techniques and to participate in workshops to prepare materials for publication. Emphasis is also placed on journalistic leadership skills, including time management, utilization of personnel, and task organization.

## Journalism 4

**Course Number:** 1006330

**Grade Level:** 12

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:** Successful completion of Journalism III or equivalent or teacher approval.

**Bright Scholars:** No

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide the opportunity for an advanced journalism student to continue studies in writing and production techniques and to participate in workshops to prepare materials for publication. Emphasis is also placed on advanced organizational and management skills related to journalism as well as using the students' skills in writing, graphic design and/or photography.

# Course Descriptions - River Ridge High School

## Speech 1

**Course Number:** 1007300

**Grade Level:** 9, 10, 11, 12

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 1

**Prerequisites:** None.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** This course is designed to give the student instruction in the fundamentals of formal and informal oral communication. The content includes a study of various forms of oral communication, techniques of group discussion, techniques of effective listening, analysis of various audiences, and techniques of public speaking.

## Creative Writing 1

**Course Number:** 1009320

**Grade Level:** 9, 10, 11, 12

**Course Length:** Semester

**Graduation Area:**

**Credit:** 0.5

**Prerequisites:** None.

**Bright Scholars:** Yes

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Course Description:** This course develops writing and language skills needed for individual expression in literary forms. These should include original poetry, short stories, plays, and novels, as well as essays and other non-fiction.

## Creative Writing 2

**Course Number:** 1009330

**Grade Level:** 9, 10, 11, 12

**Course Length:** Semester

**Graduation Area:**

**Credit:** 0.5

**Prerequisites:** Successful completion of Creative Writing I or teacher recommendation.

**Bright Scholars:** No

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Course Description:** This course extends the development of those writing and language skills needed for individual expression in literary forms, as introduced in Creative Writing I. This course will include technical aspects of publishing students' work in literary publications.

# Course Descriptions - River Ridge High School

## Mathematics

### Algebra 1

**Course Number:** 1200310

**Grade Level:** 9

**Course Length:** Year

**Graduation Area:** Mathematics

**Credit:** 1.0

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Prerequisites:** Mastery of basic computational skills and related applications with whole numbers, fractions, and percents.

**Course Description:** This course is designed to develop the concepts and skills in first year algebra. Topics shall include operations with rational numbers, variables, ratio and proportion, graphs, sets, number theory, equations, polynomials, algebraic expressions and factoring.

### Algebra 2

**Course Number:** 1200330

**Grade Level:** 11

**Course Length:** Year

**Graduation Area:** Mathematics

**Credit:** 1.0

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Prerequisites:** Successful completion of Algebra I, or Algebra I equivalent course work.

**Course Description:** This course is designed to continue the study of the structure of algebra and to provide the foundation for applying these skills to other mathematical and scientific fields. Topics shall include graphs, polynomials and rational expressions, quadratic equations and inequalities, exponents, irrational numbers, logarithms and complex numbers.

### Algebra 2 Honors

**Course Number:** 1200340

**Grade Level:** 10

**Course Length:** Year

**Graduation Area:** Mathematics

**Credit:** 1.0

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Prerequisites:** 1. Stanines 8 or 9 in mathematics achievement.  
2. B average in Algebra I/Geometry, or  
3. Teacher recommendation.

**Course Description:** This course includes all the topics in Algebra II plus conic sections, probability theory, and matrix algebra.

# Course Descriptions - River Ridge High School

## Algebra 1-A

**Course Number:** 1200370

**Grade Level:** 9

**Course Length:** Year

**Graduation Area:** Mathematics

**Credit:** 1.0

**Prerequisites:** Teacher recommendation

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** This course is the first of a 2-part, 2-year Algebra I program.

## Algebra 1-B

**Course Number:** 1200380

**Grade Level:** 10

**Course Length:** Year

**Graduation Area:** Mathematics

**Credit:** 1.0

**Prerequisites:** Algebra IA

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** This course is the second of a 2-part, 2-year Algebra I program.

## Adv Algebra with Financial Applications

**Course Number:** 1200500

**Grade Level:** 12

**Course Length:** Year

**Graduation Area:** Mathematics

**Credit:** 1.0

**Prerequisites:** Algebra I or equivalent  
11th or 12th grade

**Bright Scholars:**

**Gold Seal Core Course:**

**Gold Seal Voc. Course:**

**Course Description:** The purpose of this course is to enable students to apply Algebra to understand important concepts that will assist them in making financial decisions related to savings, credit, buying a home, personal budgeting, and retirement planning. Topics shall include development of a financial plan and budget, interest, banking, credit, investing, taxes, insurance, mortgages, and retirement planning.

# Course Descriptions - River Ridge High School

## AP Calculus AB

**Course Number:** 1202310

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:** Mathematics

**Credit:** 1.0

**Prerequisites:** Trigonometry/Analytic Geometry, or Mathematical Analysis, or Pre-Calculus.

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** This course is designed to offer students college level mathematics under the guidelines of the Advanced Placement program. The course content will follow the outline set forth by the College Board for Advanced Placement Calculus AB.

## AP Calculus BC

**Course Number:** 1202320

**Grade Level:** 12

**Course Length:** Year

**Graduation Area:** Mathematics

**Credit:** 1.0

**Prerequisites:** Trigonometry/Analytic Geometry or Mathematical Analysis, or Pre-Calculus.

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** This course is a study of the topics outlined by the College Board for Advanced Placement Calculus BC. It provides an extensive study of the general theory and techniques of calculus.

## Pre-Calculus

**Course Number:** 1202340

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:** Mathematics

**Credit:** 1.0

**Prerequisites:** Algebra II and Geometry.

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** This course is designed to emphasize the concepts and skills necessary for the study of calculus. Topics include functions, sequences and series, limits, vectors, conic sections, polar coordinates, symbolic logic, mathematical induction, matrix algebra, trigonometric and circular functions.

# Course Descriptions - River Ridge High School

## Geometry

**Course Number:** 1206310

**Grade Level:** 10

**Course Length:** Year

**Graduation Area:** Mathematics

**Credit:** 1.0

**Prerequisites:** Successful completion of Algebra I, or Algebra I equivalent course work.

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** This course is designed to emphasize critical thinking involving the discovery of relationships and their proofs, and applying the deductive methods to mathematical situations. Topics shall include logic and reasoning, lines, planes, angles, triangles, similarity, congruence, polygons and circles.

## Geometry Honors

**Course Number:** 1206320

**Grade Level:** 9

**Course Length:** Year

**Graduation Area:** Mathematics

**Credit:** 1.0

**Prerequisites:** 1. Stanine 8 or 9 in mathematics achievement;  
2. B average in Algebra I; or  
3. Teacher recommendation.

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** This course includes all the topics of geometry plus coordinate and transformational geometry, and concepts of non-Euclidian geometry.

## Liberal Arts Mathematics

**Course Number:** 1208300

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:** Mathematics

**Credit:** 1.0

**Prerequisites:** Algebra I or Geometry.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** This course is designed to strengthen the mathematical skills required for college entrance exams or for further study of advanced mathematics. Topics shall include ratio and proportion, sets, polynomials, expressions, equations and inequalities, graphs, quadratic equations, and the geometry of angles, lines, polygons, similarity and congruence.



# Course Descriptions - River Ridge High School

## Probability & Statistics with Applications

**Course Number:** 1210300

**Grade Level:** 12

**Course Length:** Year

**Graduation Area:** Mathematics

**Credit:** 1.0

**Prerequisites:** Algebra II, or B average in Algebra I, or B average in Algebra I equivalent course work.

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** This course is designed to provide a basic understanding of descriptive and inferential statistics. Topics include the measures of central tendency, standard deviation, combinations and permutations, probability, sampling, and various distributions. Emphasis is on applications of statistical concepts.

## AP Statistics

**Course Number:** 1210320

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:** Mathematics

**Credit:** 1.0

**Prerequisites:** Algebra II or  
Teacher Recommendation

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** This course is designed to meet the College Board Requirements for Advanced Placement Statistics. Topics include exploring data, planning a statistical study, anticipating statistical patterns, and statistical inference.

## Advanced Topics in Mathematics

**Course Number:** 1298310

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:** Mathematics

**Credit:** 1.0

**Prerequisites:** Algebra II

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** This course is designed to continue mathematics study beyond Algebra II. Topics shall include functions, polynomials, rational functions, conics, exponential and logarithmic functions, finance, probability and statistics, sequences and series, matrices, and right triangle trigonometry.

# Course Descriptions - River Ridge High School

## Music

### Musical Theater 1

**Course Number:** 1300400

**Grade Level:** 9, 10, 11, 12

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 1.0

**Prerequisites:** None.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide an opportunity to study and perform scenes from varied styles of musical theater with special attention to the fundamentals of stage movement, acting, characterization, and all other aspects of the production of a musical.

### Musical Theater 2

**Course Number:** 1300410

**Grade Level:** 9, 10, 11, 12, 30, 31

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 1.0

**Prerequisites:** None.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide students of musical theatre the opportunities to continue the study of this art form with emphasis on further development and refinement of acquired skills in voice, dance, acting, and all aspects of the production of a musical.

The content should include, but not be limited to the study of music theory, sight-singing, dance, lighting, sound, set design, costuming, make-up, stage directing and acting.

# Course Descriptions - River Ridge High School

## Musical Theater 3

**Course Number:** 1300420

**Grade Level:** 9, 10, 11, 12, 30, 31

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 1.0

**Prerequisites:** Musical Theater 1 & 2 or by audition  
Juniors and Seniors.

**Bright Scholars:**

**Gold Seal Core Course:**

**Gold Seal Voc. Course:**

**Course Description:** Musical Theater 3 is for the student wishing to study musical theater more in depth. Students will continue keyboard skills, tap dance, and musical theater dance. Students in Musical Theater 3 are required to perform: for in class assignments, Thespian Competition, and in any shows developed in class. ie: Literacy show of 2009 -2010 which toured. Each year a new theme will be developed by the Musical Theater 3 and 4 classes and toured. Students will compose their own song on Garage Band with music and lyrics.

## Musical Theater 4

**Course Number:** 1300422

**Grade Level:** 9, 10, 11, 12, 30,

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 1.0

**Prerequisites:** Musical Theater 3  
Seniors

**Bright Scholars:**

**Gold Seal Core Course:**

**Gold Seal Voc. Course:**

**Course Description:** Musical Theater 4 students will use the skills learned in the previous musical theater classes to create their own musical. Students will write the book and create their own original music for other classmates to perform. Keyboard, vocal, and dance skills will be further developed. All students in Musical Theater 4 are required to participate in competition. Musical Theater 4 and Musical Theater 3 students together will create a show around a theme which will tour to elementary schools.

## Guitar 1

**Course Number:** 1301320

**Grade Level:** 9, 10, 11, 12

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:**

**Bright Scholars:**

**Gold Seal Core Course:**

**Gold Seal Voc. Course:**

**Course Description:** Students will demonstrate advancing performance techniques in the areas of finger picking, string banding, upper position note reading and improvisation

# Course Descriptions - River Ridge High School

## Guitar 2

**Course Number:** 1301330

**Grade Level:** 10, 11, 12

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 1.0

**Prerequisites:** Guitar 1

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** Students will demonstrate advancing performance techniques in the areas of finger picking, string banding, upper position note reading and improvisation

## Keyboard 1

**Course Number:** 1301360

**Grade Level:** 9, 10, 11, 12

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 1.0

**Prerequisites:** None.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to enable students to develop keyboard performance proficiency. Emphasis will be placed on the development of skills in reading music notation; analysis of form, style, and history; and, improvisation and composition techniques.

## Band 1

**Course Number:** 1302300

**Grade Level:** 9, 10, 11, 12

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 1.0

**Prerequisites:** None.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide students with instruction in the development of technical skills on wind and percussion instruments. Emphasis will be placed on the development of skills in music theory and composition, individual and ensemble, performance techniques, and critical listening skills and aesthetic values. Attendance at out-of-school rehearsals and performances is required.

# Course Descriptions - River Ridge High School

## Band 2

**Course Number:** 1302310

**Grade Level:** 10, 11, 12

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 1.0

**Prerequisites:** Successful completion of Band I, access to an instrument or teacher approval.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to extend musicianship skills in band instrumental ensembles. The content includes extending skill development in characteristic tone production, band performance techniques, musical literacy and music appreciation. Attendance at out-of-school rehearsals and performances is required.

## Band 3

**Course Number:** 1302320

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 1.0

**Prerequisites:** Successful completion of Band II, access to an instrument or teacher approval.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide students with instruction in the development of musicianship and technical skills through study of varied band literature. The content includes interpreting medium level band music; establishing appropriate tone production and performance techniques; identifying simple music form and varied style periods; formulating aesthetic awareness. Attendance at out of school rehearsals and performances is required.

## Band 4

**Course Number:** 1302330

**Grade Level:** 12

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 1.0

**Prerequisites:** Successful completion of Band III, access to an instrument or teacher approval.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide students with instruction in the application of musicianship and technical skills through the study of varied band literature. The content includes interpreting medium level band music; refining tone production and performance techniques; understanding of musical form, style and aesthetic perceptions. Attendance at out of school rehearsals and performances is required.

# Course Descriptions - River Ridge High School

## Eurhythmics 1 Flag Corp

**Course Number:** 1305300

**Grade Level:** 9, 10, 11, 12

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 1.0

**Prerequisites:** Successful achievement in performing basic movements to musical accompaniments or teacher approval.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide students with instruction in the development of beginning level skill in the art of performing various bodily movements in rhythm using musical accompaniment.

## Eurhythmics 2 Flag Corp

**Course Number:** 1305310

**Grade Level:** 10, 11, 12

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 1.0

**Prerequisites:** Successful achievement in Eurythmics I or teacher approval.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide students with instruction in the development of intermediate level skill in the art of performing various bodily movements in rhythm using musical accompaniment.

## Eurhythmics 3 Flag Corp

**Course Number:** 1305320

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 1.0

**Prerequisites:** Successful achievement in Eurythmics II or teacher approval.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide students with instruction in the development of advanced level skills in the art of performing various bodily movements in rhythm using musical accompaniment. The content should include but not be limited to, the further development of knowledge and application of techniques indigenous to various eurythmic styles, dance terminology and choreography. Acquisition of technique and choreography should be stressed.

# Course Descriptions - River Ridge High School

## Eurhythmics 4 Flag Corp

**Course Number:** 1305330

**Grade Level:** 12

**Course Length:** Year

**Graduation Area:** Performing Fine Arts

**Credit:** 1.0

**Prerequisites:** Successful achievement in Eurhythmics III or teacher approval.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide students with opportunities for extended acquisition of knowledge and development of techniques in the art of performing various bodily movements in rhythm using musical accompaniment. The content should include, but not be limited to, the extended study of musical interpretation through movement. Acquisition of technique and choreography should be stressed with emphasis on individual creativity.

# Course Descriptions - River Ridge High School

## Physical Education

### Personal Fitness

**Course Number:** 1501300

**Grade Level:** 9, 10, 11, 12

**Course Length:** Semester

**Graduation Area:** Physical Education

**Credit:** 0.5

**Prerequisites:** None.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide students with opportunities to develop an individual optimal level of physical fitness, acquire knowledge of physical fitness concepts, and acquire knowledge of the significance of lifestyle of one's health and fitness. This course expands and refines concepts and activities that were introduced in elementary and middle school.

### Beginning Weight Training

**Course Number:** 1501340

**Grade Level:** 9, 10, 11, 12

**Course Length:** Semester

**Graduation Area:** Physical Education

**Credit:** 0.5

**Prerequisites:** None.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide students with opportunities to acquire basic knowledge and skills in weight training that may be used in physical fitness pursuits today as well as in later life, improve muscular strength and endurance, and enhance body image.

### Intermediate Weight Training

**Course Number:** 1501350

**Grade Level:** 9, 10, 11, 12

**Course Length:** Semester

**Graduation Area:** Physical Education

**Credit:** 0.5

**Prerequisites:** Must complete Beginning Weight Training.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide students with opportunities to extend the acquisition of knowledge and the development of skills introduced in beginning weight training that may be used in physical fitness pursuits today as well as in later life, further improve strength and endurance, and further enhance body image.



# Course Descriptions - River Ridge High School

## Advanced Weight Training

**Course Number:** 1501360

**Grade Level:** 10, 11, 12

**Course Length:** Semester

**Graduation Area:** Physical Education

**Credit:** 0.5

**Prerequisites:** Must complete Beginning and Intermediate Weight Training.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide students with opportunities to extend the acquisition of knowledge of and the development of skills introduced in intermediate weight training that may be used in physical fitness pursuits today as well as in later life, further improve muscular strength and endurance, and further enhance body image.

## Beginning Power Weight Training

**Course Number:** 1501410

**Grade Level:** 10, 11, 12

**Course Length:** Semester

**Graduation Area:** Physical Education

**Credit:** 0.5

**Prerequisites:** None.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to acquire knowledge and skills in power weight training (Olympic and power lifting) and improve or maintain health related physical fitness.

## Individual and Dual Sports 1 (Tennis 1)

**Course Number:** 1502410

**Grade Level:** 10, 11, 12

**Course Length:** Semester

**Graduation Area:** Physical Education

**Credit:** 0.5

**Prerequisites:** None.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide students with opportunities to acquire knowledge of strategies of individual and dual sports play, develop skills in selected individual and dual sports, and maintain and/or improve their personal fitness. This course expands and refines concepts and activities that were introduced in elementary and middle school.

# Course Descriptions - River Ridge High School

## Individual and Dual Sports 2 (Tennis 2)

**Course Number:** 1502420

**Grade Level:** 10, 11, 12

**Course Length:** Semester

**Graduation Area:** Physical Education

**Credit:** 0.5

**Prerequisites:** Completion of Individual and Dual Sports I.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide students with opportunities to acquire knowledge of the strategies of individual and dual sports play, develop skills in selected individual and dual sports, and maintain and/or improve their personal fitness.

## Care and Prevention of Athletic Injuries

**Course Number:** 1502490

**Grade Level:** 10, 11, 12

**Course Length:** Semester

**Graduation Area:** Physical Education

**Credit:** 0.5

**Prerequisites:** None.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide students with opportunities to acquire knowledge and skills relating to the nature, prevention, care and rehabilitation of athletic injuries that may be used in recreational pursuits today as well as in later life.

## Sports Officiating

**Course Number:** 1502500

**Grade Level:** 9, 10, 11, 12

**Course Length:** Semester

**Graduation Area:** Physical Education

**Credit:** 0.5

**Prerequisites:** none

**Bright Scholars:**

**Gold Seal Core Course:**

**Gold Seal Voc. Course:**

**Course Description:** The purpose of this course is to enable students to develop knowledge of sports rules and regulations, to develop skills in officiating selected sports, and to maintain or improve health-related fitness.

The content includes the following: safety practices, rules and terminology, techniques and mechanics, sportsmanship, organization and administration, consumer issues, benefits of participation.

# Course Descriptions - River Ridge High School

## Team Sports 1

**Course Number:** 1503350

**Grade Level:** 10, 11, 12

**Course Length:** Semester

**Graduation Area:** Physical Education

**Credit:** 0.5

**Prerequisites:** None.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide students with opportunities to acquire knowledge of strategies of team sports play, develop skills in selected team sports, and maintain and/or improve their personal fitness. This course expands and refines concepts and activities that were introduced in elementary and middle school.

## Team Sports II

**Course Number:** 1503360

**Grade Level:** 10, 11, 12

**Course Length:** Semester

**Graduation Area:** Physical Education

**Credit:** 0.5

**Prerequisites:** Completion of Team Sports I.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide student with opportunities to acquire knowledge of strategies of team sports play, develop skills in selected team sports, and maintain and/or improve their personal fitness.

## HOPE - Physical Education Variation

**Course Number:** 1506320

**Grade Level:** 9

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:** 9th Grade Requirement

**Bright Scholars:**

**Gold Seal Core Course:**

**Gold Seal Voc. Course:**

**Course Description:** The purpose of this course is to develop and enhance healthy behaviors that influence lifestyle choices and student health and fitness.  
The content includes: apply fitness and health concepts, risk and benefits of varying fitness levels, biomechanical and physiological principles, development of an individual wellness plan, responsible decision making, development of an individual nutrition plan, completion of a behavior change project, analyzing of skills-related fitness, and safety education practices

# Course Descriptions - River Ridge High School

## ROTC and Military Training

### Aerospace Science 1

**Course Number:** 1800300

**Grade Level:** 9, 10, 11

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Bright Scholars:** No

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Prerequisites:** As required by applicable United States Air Force directives and United States Codes.

**Course Description:** The purpose of this program is to provide a cooperative effort on the part of the U.S. Air Force and the host institution to provide secondary school students opportunities for total development. The course promotes good citizenship and patriotism through character building activities and a course of military instruction that will benefit the cadet, the community and our nation. The Jr. ROTC learning experience is intended to be useful to students in any future career, military or civilian. Satisfactory completion of the program can lead to advanced placement credit in Senior ROTC or advanced rank in the active U. S. Air Force reserve or National Guard. This course provides ongoing instruction in leadership theory, drill and ceremonies, hygiene and first aid, introduction to maps and map reading, techniques of oral communication, marksmanship and safety, introduction to LD-2 and physical readiness.

### Aerospace Science 2

**Course Number:** 1800310

**Grade Level:** 10, 11, 12

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Bright Scholars:** No

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Prerequisites:** Successful completion of Aerospace Science I.

**Course Description:** This course provides ongoing instruction in intermediate leadership, drill and ceremonies, intermediate first aid, intermediate map reading, intermediate techniques of oral communications, intermediate marksmanship and safety, the U. S. Air Force, people, places, and times, service/ROTC opportunities, introduction to LD-3, selected optional subjects and physical readiness.

# Course Descriptions - River Ridge High School

## Aerospace Science 3

**Course Number:** 1800320

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:** Successful completion of Aerospace II

**Bright Scholars:** No

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Course Description:** This course provides ongoing instruction in applied leadership, drill and ceremonies, applied map reading/land navigation, applied techniques of oral communication, marksmanship and safety, service/ROTC opportunities, the role of the U.S. Army, selected optional subjects, and physical readiness.

## Aerospace Science 4: Leadership Development

**Course Number:** 1800330

**Grade Level:** 12

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:** Successful completion of Aerospace III

**Bright Scholars:** No

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Course Description:** This course provides ongoing instruction in advanced leadership techniques, drill and ceremonies, advanced communication, staff functions and procedures, selected optional subjects, and physical readiness.

# Course Descriptions - River Ridge High School

## Safety and Driver Education

### Driver Education/Traffic Safety- Classroom and Laboratory

**Course Number:** 1900310

**Grade Level:** 10, 11, 12

**Course Length:** Semester

**Graduation Area:**

**Credit:** 0.5

**Prerequisites:** None.

**Bright Scholars:** No

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to introduce students to the highway transportation system and strategies which will develop driving knowledge and skills related to today's and tomorrow's motorized society, and provide an in depth study of the scope and nature of accident problems and their solutions.

# Course Descriptions - River Ridge High School

## Science

### Biology

**Course Number:** 2000310

**Grade Level:** 10

**Course Length:** Year

**Graduation Area:** Science

**Credit:** 1.0

**Prerequisites:** None.

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** Students are introduced to basic biological concepts including the nature of science and habits of mind, the roles of matter, energy, and the chemical processes of life, the structure and processes of cells, genetic diversity and related biotechnologies, levels of organization and classification, the structure and function of selected organisms, the behavior of organisms, the interdependence of all living things and the environment, biological change through time, agriculture, food, and medical technologies, and related careers.

### Biology 1 Honors

**Course Number:** 2000320

**Grade Level:** 10, 11

**Course Length:** Year

**Graduation Area:** Science

**Credit:** 1.0

**Prerequisites:** None.

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** Students are introduced to basic biological concepts including the nature of science and habits of mind, the roles of matter, energy, and the chemical processes of life, the structure and processes of cells, genetic diversity and related biotechnologies, levels of organization and classification, the structure and function of selected organisms, the behavior of organisms, the interdependence of all living things and the environment, biological change through time, agriculture, food, and medical technologies, and related careers. Mastery of proper laboratory techniques in biological study is an integral part of the course.

# Course Descriptions - River Ridge High School

## AP Biology

**Course Number:** 2000340

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:** Science

**Credit:** 1.0

**Prerequisites:** Successful completion of Biology I or Biology I Honors Chemistry I or Chemistry I Honors or Integrated Science I and Integrated Science II.

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide a college level course in biology and to prepare the student to seek credit and/or placement in college biology courses. Content includes cellular, organismal, and population biology. The content of the course follows the Advanced Placement guidelines. Laboratory investigations of selected topics in the content which also include the use of the scientific method, measurement, laboratory apparatus and safety are an integral part of the course.

## Anatomy and Physiology Honors

**Course Number:** 2000360

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:** Science

**Credit:** 1.0

**Prerequisites:** Biology Honors

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** Yes

**Course Description:** The purpose of this course is to enable students to develop understanding of the relationships between structures and functions of the human body.

The Content includes, but not limited to, the following: implementation of scientific habits of mind, application of scientific knowledge, methodology, and historical context to solve problems.

Also, to use laboratory technologies, terminology, cells and tissues, homeostasis, human genetics, growth, and development, body composition, structure, and function, internal and external changes and responses, connections between anatomy, physiology, medicine, technology, society, and the environment.



# Course Descriptions - River Ridge High School

## Environmental Science

**Course Number:** 2001340

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:** Science

**Credit:** 1.0

**Prerequisites:** Physical Science  
Biology

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to study human interaction with the environment. Topics should include: forms of pollution, conservation, environmental planning and policy, population dynamics, and major forms of energy.

## AP Environmental Science

**Course Number:** 2001380

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:** Science

**Credit:** 1.0

**Prerequisites:** Biology Honors  
Chemistry Honors  
Teacher Recommendation

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to study the interaction of man with the environment.

The content includes the following: scientific analysis, fundamental principles and concepts about the interdependence of earth's systems, population dynamics, distribution, ownership, and use degradation of renewable and nonrenewable resources, environmental quality, global changes and their consequences, environment and society: trade-offs and decision making, and choices for the future.

## Marine Science 1

**Course Number:** 2002500

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:** Science

**Credit:** 1.0

**Prerequisites:** Successful completion of Biology I or Biology I Honors or Integrated Science I and Integrated Science II.

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide the student with a survey of the marine biome. Topics include physical oceanography, marine geology, the diversity of marine organisms, marine ecology, and man and the marine community.

# Course Descriptions - River Ridge High School

## Marine Science 1 Honors

**Course Number:** 2002510

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:** Science

**Credit:** 1.0

**Prerequisites:** Biology Honors

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide an overview of the marine environment.

The content includes the following: the nature of science, the origins of the oceans, the chemical, physical, and geological aspects of the marine environment, ecology of various sea zones, marine communities, the diversity of marine organisms, characteristics of major marine ecosystems, characteristics of major marine phyla/divisions, and the interrelationship between man and the ocean.

## Physical Science

**Course Number:** 2003310

**Grade Level:** 9

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:** None.

**Bright Scholars:**

**Gold Seal Core Course:**

**Gold Seal Voc. Course:**

**Course Description:** The purpose of this course is to provide students with an introduction to the basic concepts of the unifying concepts and processes of science, structure of atoms, structure and properties of matter, chemical reactions, force and motion, conservation of energy, interactions of energy and matter, and interactions between science and technology.

## Physical Science Honors

**Course Number:** 2003320

**Grade Level:** 9

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:** Teacher recommendation

**Bright Scholars:**

**Gold Seal Core Course:**

**Gold Seal Voc. Course:**

**Course Description:** The purpose of this course is to provide opportunities to study the concepts of matter, energy, and forces, and their applications through exploratory investigations and activities.

The content includes the following: unifying concepts and processes of science, structure of atoms, structure and properties of matter, chemical reactions, entropy and conservation of energy, interactions of energy and matter, motions and forces, interactions among science, technology, and society.

# Course Descriptions - River Ridge High School

## Chemistry 1

**Course Number:** 2003340

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:** Science

**Credit:** 1.0

**Prerequisites:** Algebra I; Integrated Science I Recommended.

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide students with the study of the composition, properties and changes associated with matter. The content should include, but not be limited to: the nature of science, classification and structure of matter, atomic theory, periodic laws, bonding, chemical formulas, reactions and balanced equations, behavior of gases, acids, bases and salts, the nature of and energy associated with physical and chemical changes, and the interactions of chemistry with technology and society.

## Chemistry 1 Honors

**Course Number:** 2003350

**Grade Level:** 10, 11, 12

**Course Length:** Year

**Graduation Area:** Science

**Credit:** 1.0

**Prerequisites:** Completion of Algebra I; Integrated Science I Recommended.

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide students with a rigorous study of the composition, properties and changes associated with matter. The content should include, but not be limited to: the nature of science, classification and structure of matter, atomic theory, periodic laws, bonding, chemical formulas, reactions and balanced equations, behavior of gases, acids, bases and salts, the nature of and energy associated with physical and chemical changes, and the interactions of chemistry with technology and society.

# Course Descriptions - River Ridge High School

## AP Chemistry

**Course Number:** 2003370

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:** Science

**Credit:** 1.0

**Prerequisites:** Chemistry I or Chemistry I Honors or Integrated Science I and II (or Honors), Algebra I.

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide a college level course in chemistry and to prepare the student to seek credit and/or placement in college chemistry courses. Content includes descriptive chemistry, nuclear chemistry and advanced stoichiometry. The content of the course follows the Advanced Placement Program guidelines.

## Physics 1 Honors

**Course Number:** 2003390

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:** Science

**Credit:** 1.0

**Prerequisites:** PreCalculus  
Chemistry Honors

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to provide students with a study of the unifying concepts and processes of science, energy, force and motion, dynamics, wave characteristics, conservation of energy and momentum, heat and thermodynamics, electricity and magnetism, and interactions among science, technology, and society.

# Course Descriptions - River Ridge High School

## Social Studies

### American History

**Course Number:** 2100310

**Grade Level:** 11

**Course Length:** Year

**Graduation Area:** American History

**Credit:** 1.0

**Prerequisites:** None.

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** This course provides students with the opportunity to acquire an understanding of the development of the American people by examining the political, economic, social, religious, military, scientific, and cultural events that have affected the rise and growth of the nation.

### American History Honors

**Course Number:** 2100320

**Grade Level:** 11

**Course Length:** Year

**Graduation Area:** American History

**Credit:** 1.0

**Prerequisites:** 3.0 grade point average in social studies or teacher approval.

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** This course provides students with the opportunity to acquire an in-depth and comprehensive understanding of the development of the American people by examining the political, economic, social, religious, military, scientific, and cultural events that have affected the rise and growth of the nation.

### AP US History

**Course Number:** 2100330

**Grade Level:** 11

**Course Length:** Year

**Graduation Area:** American History

**Credit:** 1.0

**Prerequisites:** 3.0 grade point average or 3.5 grade point average in social studies or teacher approval.

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of Advanced Placement American History is to provide students with the opportunity to develop the analytic skills and factual knowledge necessary to deal critically with the problems, content, and materials of American historic development. This is done by focusing on persistent themes and changes in history and by applying historical reasoning to seek solutions to contemporary problems.

# Course Descriptions - River Ridge High School

## Economics

**Course Number:** 2102310

**Grade Level:** 12

**Course Length:** Semester

**Graduation Area:** Economics

**Credit:** 0.5

**Prerequisites:** None.

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** This course provides students the opportunity to acquire an understanding of the way in which society organizes its limited resources to satisfy unlimited wants. The student will be introduced to the major characteristics of the mixed market economic system in the United States and how the basic economic questions are answered. The major emphasis is to provide the students with an understanding of the forces of the marketplace by examining the effect of their role as a producer, consumer, saver, investor, resource owner, voter, and taxpayer on the system.

## Economics Honors

**Course Number:** 2102320

**Grade Level:** 12

**Course Length:** Semester

**Graduation Area:** Economics

**Credit:** 0.5

**Prerequisites:** 3.0 grade point average in social studies or teacher approval.

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** This course provides students the opportunity to acquire a comprehensive understanding of the way in which society utilizes its limited resources to satisfy unlimited wants and the distinguishing characteristics of other types of economic systems with particular attention to the American mixed market system. The major emphasis is to provide the students with the tools to examine and analyze the implications of market solutions and public policy decisions related to economic problems.

## AP Microeconomics

**Course Number:** 2102360

**Grade Level:** 12

**Course Length:** Semester

**Graduation Area:** Economics

**Credit:** 0.5

**Prerequisites:** Teacher approval

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The analysis of microeconomic concepts, including markets and prices, supply and demand, competition and market structure, income distribution, market failure and the role of government.

# Course Descriptions - River Ridge High School

## AP Macroeconomics

**Course Number:** 2102370

**Grade Level:** 11, 12

**Course Length:** Semester

**Graduation Area:** Economics

**Credit:** 0.5

**Prerequisites:**

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of AP Macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole, with particular emphasis on the study of national income and price-level determination, economic performance measures, the financial sector, stabilization policies, economic growth and international economics

## AP Human Geography

**Course Number:** 2103400

**Grade Level:** 9, 10, 11, 12

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:** Teacher Recommendation

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of this course is to enable students to develop higher levels of concepts and skills related to Human Geography including regions, population studies, cultural concepts, spatial representation, political geography, land use, urbanization issues related to space, place, scale, and economic geography.

## American Government

**Course Number:** 2106310

**Grade Level:** 12

**Course Length:** Semester

**Graduation Area:** American Government

**Credit:** 0.5

**Prerequisites:** None.

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** This course provides students the opportunity to acquire an understanding of American government and political behavior. Specific content will include an analysis of those documents which shape our political traditions (Declaration of Independence, Constitution, and Bill of Rights), a comparison of the roles of the three branches of government at the local, state, and national levels, an understanding of the evolving role of political parties and interest groups in determining government policy, how the rights and responsibilities of citizens in a democratic state have evolved and been interpreted, and the importance of civic participation in the democratic political process.

# Course Descriptions - River Ridge High School

## American Government Honors

**Course Number:** 2106320

**Grade Level:** 12

**Course Length:** Semester

**Graduation Area:** American Government

**Credit:** 0.5

**Prerequisites:** 3.0 grade point average in social studies or teacher approval.

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** This course provides students with the opportunity to acquire a comprehensive understanding of American Government and political behavior. Specific content will include an evaluation of those documents which shape our political traditions (Declaration of Independence, Constitution and Bill of Rights), an analysis of the roles of the three branches of government at the local, state, and national levels, a comparative view of the changing nature of the roles of the three branches of government at the local, state, and national levels, and a comparative view of the changing nature of political parties and interest groups over time in determining policy, an evaluation of the changing nature of citizen rights and responsibilities in a democratic state, and the importance of civic participation in the democratic political process.

## Law Studies

**Course Number:** 2106350

**Grade Level:** 11, 12

**Course Length:** Semester

**Graduation Area:**

**Credit:** 0.5

**Prerequisites:** None.

**Bright Scholars:** Yes

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Course Description:** This course provides students the opportunity to acquire an understanding of the American legal process. Specific content will include an understanding of the study of the history of law, constitutional guarantees of citizens, different kinds of laws, comparison of adult and juvenile justice systems, the value of law in society, the role of law enforcement officials, the evolution of interpretations, social values and their impact on interpretation of the law, and the supremacy of the Constitution.



# Course Descriptions - River Ridge High School

## AP US Government and Politics

**Course Number:** 2106420

**Grade Level:** 12

**Course Length:** Semester

**Graduation Area:** American Government

**Credit:** 0.5

**Prerequisites:** 3.0 grade point average.

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** The content of this course will be based on that set by the College Board. This course provides students the opportunity to develop higher level analytic skills within the study of the American system of government.

## AP Comparative Government and Politics

**Course Number:** 2106430

**Grade Level:** 12

**Course Length:** Semester

**Graduation Area:**

**Credit:** 0.5

**Prerequisites:**

**Bright Scholars:**

**Gold Seal Core Course:**

**Gold Seal Voc. Course:**

**Course Description:** The AP Comparative Government and Politics course is a traditional college level introduction to the comparative study of state systems and their political components, and many of its topics speak to contemporary global political issues such as globalization, democratization, political change, public policy, and citizen-state relations. The primary goal of the course is to increase your understanding of the political traditions, values, and structures of comparative systems.

## Psychology 1

**Course Number:** 2107300

**Grade Level:** 11, 12

**Course Length:** Semester

**Graduation Area:**

**Credit:** 0.5

**Prerequisites:** None.

**Bright Scholars:** Yes

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Course Description:** This course provides students with the opportunity to acquire an understanding of human behavior, behavioral interaction, and the progressive development of individuals. Specific content will include the theories and methods of study employed by psychologists, human growth and development, self-concept development, adjustment, motivation and desire, intelligence, conditioning and learning, memory, personality and behavior, emotion and frustration, abnormal behavior, conformity, stress, mental health, and therapy.

# Course Descriptions - River Ridge High School

## Psychology 2

**Course Number:** 2107310

**Grade Level:** 11, 12

**Course Length:** Semester

**Graduation Area:**

**Credit:** 0.5

**Prerequisites:** Successful completion of Psychology I.

**Bright Scholars:** Yes

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Course Description:** The purpose of Psychology II is to provide opportunities for students to explain their awareness of areas of psychology. The content should include, but not be limited to, statistical research, memory and thought, sensation and perception, motivation and emotion, sleep and dreams, stress and conflict, adjustment in society, and human interaction.

## AP Psychology

**Course Number:** 2107350

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:** Teacher Recommendation

**Bright Scholars:** Yes

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Course Description:** Students acquire an understanding of and appreciation for human behavior, behavioral interaction, and the progressive development of individuals.

## World History

**Course Number:** 2109310

**Grade Level:** 10

**Course Length:** Year

**Graduation Area:** World History

**Credit:** 1.0

**Prerequisites:** None.

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** Provides students the opportunity to acquire an understanding of the development of civilization by examining the political, economic, social, religious, military, scientific, and cultural events that have affected humanity.

# Course Descriptions - River Ridge High School

## World History Honors

**Course Number:** 2109320

**Grade Level:** 10

**Course Length:** Year

**Graduation Area:** World History

**Credit:** 1.0

**Prerequisites:** 3.0 grade point average or teacher approval.

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** Provides students the opportunity to acquire a comprehensive understanding of the past in terms of what has been interpreted about changes as it relates to the development of humanity. This is done by analyzing the political, economic, social, religious, military, scientific, and cultural events that have shaped and molded humanity.

## AP European History

**Course Number:** 2109380

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:** Teacher approval

**Bright Scholars:** Yes

**Gold Seal Core Course:** No

**Gold Seal Voc. Course:** No

**Course Description:** Students understand the development of Europe within the context of history examining connections to the past and using knowledge to analyze historical issues and seek solutions to contemporary problems.

## AP World History

**Course Number:** 2109420

**Grade Level:** 10

**Course Length:** Year

**Graduation Area:** World History

**Credit:** 1.0

**Prerequisites:**

**Bright Scholars:** Yes

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** Students understand the development of Europe within the context of history by examining connections to the past in order to prepare for the future as participating members of a global community. Students use knowledge pertaining to history, geography, economics, political processes, religion, ethics, and diverse cultures to solve problems in academic, civic, social and employment.

# Course Descriptions - River Ridge High School

## Vocational - Business Technology Education

### Business Cooperative Education - OJT

**Course Number:** 8200410

**Grade Level:** 11, 12

**Course Length:** Year

**Graduation Area:** Vocational

**Credit:** 1.0

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Prerequisites:** Concurrent enrollment in a Business Technology Education course, exiting a Business Technology Education Program at the second Occupational Completion Point (OCP), or completion of a Business Technology Education Program. Business Cooperative Coordinators' approval is required.

**Course Description:** Integration and application of the competencies mastered within the Business Education sequence through related instruction and on-the-job training in a business occupations. Classroom instruction and supervised on-the-job experiences permit the student to refine and further develop competencies in business occupations.

### Web Design 1

**Course Number:** 8207110

**Grade Level:** 10, 11, 12

**Course Length:** Year

**Graduation Area:** Vocational

**Credit:** 1.0

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** Yes

**Prerequisites:** Keyboarding and Business Skills and Computer and Business Skills  
or  
Business Systems and Technology 1  
and  
Business Systems and Technology 2

**Course Description:** This course is designed to provide a basic overview of the Internet, Intranet, and WWW. The content includes operating systems; basic HTML commands; navigation of the Internet, Intranet, and Web; and Web page design.

# Course Descriptions - River Ridge High School

## Introduction to Information Technology

**Course Number:** 8207310

**Grade Level:** 9, 10, 11, 12

**Course Length:** Year

**Graduation Area:** Vocational

**Credit:** 1.0

**Prerequisites:** 9-12

**Bright Scholars:**

**Gold Seal Core Course:**

**Gold Seal Voc. Course:**

**Course Description:** This course is designed to provide an introduction to information technology concepts, and careers as well as the impact information technology has on the world, people, and industry and basic web design concepts. The content includes information technology career research: operating systems and software applications: electronic communications including e-mail and Internet services: basic HTML, DHTML, and XML web commands and design: emerging technologies and web page design.

## Digital Design 1

**Course Number:** 8209510

**Grade Level:** 10, 11, 12

**Course Length:** Year

**Graduation Area:** Vocational

**Credit:** 1.0

**Prerequisites:** Keyboarding and Business Skills and Computer and Business Skills  
or  
Business Systems and Technology 1  
and  
Business Systems and Technology 2

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** Yes

**Course Description:** This course is designed to develop entry-level skills required for careers in the digital publishing industry. The content includes computer skills; digital publishing concepts and operations; layout, design, and mearusremtn activities; decision-making activities; and digital imaging.

# Course Descriptions - River Ridge High School

## Digital Design 2

**Course Number:** 8209520

**Grade Level:** 10, 11, 12

**Course Length:** Year

**Graduation Area:** Vocational

**Credit:** 1.0

**Prerequisites:** Keyboarding and Business Skills and Computer and Business Skills  
or  
Business Systems and Technology 1  
and  
Business Systems and Technology 2  
and  
Digital Publishing 1

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** Yes

**Course Description:** This course continues the development of basic entry-level skills required for careers in the digital publishing industry. The content includes computer skills; digital publishing operations; layout, design, and measurement activities; decision-making activities; and digital imaging.

## Administrative Office Technology 1

**Course Number:** 8212110

**Grade Level:** 10, 11, 12, 30, 31

**Course Length:** Year

**Graduation Area:** Vocational

**Credit:** 1.0

**Prerequisites:** Keyboarding and Business Skills and Computer and Business Skills  
or  
Business Systems and Technology 1  
and  
Business Systems and Technology 2

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** Yes

**Course Description:** This course is designed to assist with administrative and general office duties in a support capacity. This course explores and expands the core competencies in the areas of personal and professional development and promotes application of higher level office procedures tasks and communications skills through the use of technology.

# Course Descriptions - River Ridge High School

## Business Software Applications 1

**Course Number:** 8212120

**Grade Level:** 10, 11, 12

**Course Length:** Year

**Graduation Area:** Vocational

**Credit:** 1.0

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** Yes

**Prerequisites:** Keyboarding and Business Skills and Computer and Business Skills or Business Systems and Technology 1 and Business Systems and Technology 2

**Course Description:** This course is designed to develop proficiency in using the advanced features of software programs to perform office related tasks.

After successful completion of Administrative Office Technology 1 and Business Software Applications 1, students will have met Occupational Completion Point - Data Code C, Secretary - OES Code 55108

## Business and Entrepreneurship Principles

**Course Number:** 8215120

**Grade Level:** 10, 11, 12, 30, 31

**Course Length:** Year

**Graduation Area:** Vocational

**Credit:** 1.0

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** Yes

**Prerequisites:** Keyboarding and Business Skills and Computer and Business Skills  
or  
Business Systems and Technology 1  
and  
Business Systems and Technology 2

**Course Description:** This course is designed to provide an introduction to business organization, management, and entrepreneurial principles. Topics include communication skills, various forms of business ownership and organizational structures, supervisory/management skills, leadership skills, human resources management activities, business ethics, and cultural diversity. Emphasis is placed on job readiness and career development. The use of computers is an integral part of this program.

# Course Descriptions - River Ridge High School

## Vocational - Diversified Occupations

### DCT - OJT

**Course Number:** 8300410

**Grade Level:** 10, 11, 12

**Course Length:** Year

**Graduation Area:** Vocational

**Credit:** 1.0

**Prerequisites:** Coordinator approval.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** This course provides the on-the-job training component of the DCT program. It must be taken concurrently with either DCT 1 and/or DCT 2. May be taken for multiple credits. CECF is a part of this program.

### Guided Workplace Learning

**Course Number:** 8300430

**Grade Level:** 11, 12

**Course Length:** Multiple

**Graduation Area:** Vocational

**Credit:** 1.0

**Prerequisites:** 9-12, 30, 31

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** This course offers students an opportunity to integrate occupational and applied academic learning and to apply knowledge and skills learned in a classroom to actual work situations not generally available through paid employment.

### DCT Principles

**Course Number:** 8303010

**Grade Level:** 10, 11, 12

**Course Length:** Year

**Graduation Area:** Vocational

**Credit:** 1.0

**Prerequisites:** This course may be taken as a stand alone course or may be taken concurrently with Diversified Career Technology Applications and/or DCT-OJT.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** Yes

**Course Description:** This course provides students with classroom job-related instruction, leadership skills and employability skills. CECF is a required component of this program.



# Course Descriptions - River Ridge High School

## DCT Applications

**Course Number:** 8303020

**Grade Level:** 10, 11, 12

**Course Length:** Year

**Graduation Area:** Vocational

**Credit:** 1.0

**Prerequisites:** The student should be concurrently enrolled in Diversified Career Technology Principles or DCT-OJT.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** Yes

**Course Description:** This course provides additional classroom instruction in job-related leadership and employability skills. CECF is a required component of this program.

# Course Descriptions - River Ridge High School

## Vocational - Family and Consumer Science

### Parenting Skills

**Course Number:** 8500300

**Grade Level:** 9, 10, 11, 12

**Course Length:** Semester

**Graduation Area:** Vocational

**Credit:** 0.5

**Prerequisites:** None.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** Students may only earn three credits in Practical Arts Home Economics courses in grades 9-12.

This course provides instruction in modern parenting skills, such as self-esteem as it relates to children, communication between parent and child, parent concerns, and the importance of the family.

### Child Development

**Course Number:** 8500310

**Grade Level:** 9, 10, 11, 12

**Course Length:** Semester

**Graduation Area:** Vocational

**Credit:** 0.5

**Prerequisites:** None.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** Students may only earn three credits in Practical Arts Home Economics courses in grades 9-12.

This course provides instruction in the development, care, and guidance of children. Content includes pregnancy and childbirth, developmental stages of children, observation of children and hands-on activities working with young children.

# Course Descriptions - River Ridge High School

## Nutrition and Wellness

**Course Number:** 8500355

**Grade Level:** 9, 10, 11, 12

**Course Length:** Semester

**Graduation Area:** Vocational

**Credit:** 0.5

**Prerequisites:** None.

**Bright Scholars:** No

**Gold Seal Core Course:** Yes

**Gold Seal Voc. Course:** No

**Course Description:** Students will learn in this course the “Art of Healthy Eating” through understanding the importance of nutrition in a healthy lifestyle. This course teaches selection, service, storage, meal management skills, and food preparation using the latest technology with computers and appliances. The student will be aware of consumer issues and food choices based on life cycle.

## Principles Of Food Preparation

**Course Number:** 8500390

**Grade Level:** 9, 10, 11, 12

**Course Length:** Semester

**Graduation Area:**

**Credit:** 0.5

**Prerequisites:** Nutrition and Wellness recommended.

**Bright Scholars:**

**Gold Seal Core Course:**

**Gold Seal Voc. Course:**

**Course Description:** Students may only earn three credits in Practical Arts Home Economics courses in grades 9-12.

This course provides instruction in the selection, storage, and preparation of food. Students will prepare food in a lab setting and will be able to eat most of the food they prepare.

# Course Descriptions - River Ridge High School

## Vocational - Technology Education

### Introduction to Engineering Design

**Course Number:** 8600550

**Grade Level:** 9

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:** none

**Bright Scholars:**

**Gold Seal Core Course:**

**Gold Seal Voc. Course:**

**Course Description:** Using 3D computer modeling software  
Students learn the design process and solve design problems for which they develop, analyze, and create product models.

### Computer Integrated Manufacturing

**Course Number:** 8600560

**Grade Level:** 10

**Course Length:** Year

**Graduation Area:**

**Credit:** 1.0

**Prerequisites:** Introduction to Engineering Design

**Bright Scholars:**

**Gold Seal Core Course:**

**Gold Seal Voc. Course:**

**Course Description:** Students learn concepts of robotics and automated manufacturing by creating three-dimensional designs with modeling software and producing models of their designs.