

Camdenton R-III
Request for Course Addition

Course Number: _____

Course Title: Computer Coding

District Department: _____

Graduation Department: n/a

Request Effective Date: _____

(Complete any of the following that apply)

(Circle appropriate choice)

Abbreviated Title (20 character max)

Subject Type: Reg

Computer Coding

Subject Term Type:

___ Credits per Semester

Weight: Reg Adv Hrs

___ Grade Level for Curriculum

Honors: No

30 Preferred Class Size

Grade Level _____ To _____

yes Used for Grading

___ Used for Core GPA

___ Used for Core Scheduling

___ Used for HS Transcript

yes Used for Marking Attendance

State Reporting:

___ State Code

___ State Type Code

___ State Program Code

___ State Sequence Code

___ State Testing Method

___ Career-Ed Code

___ State Delivery Method

___ State Minutes Per Week

Course Description

This course will utilize a Common Core-aligned curriculum developed by Code.org, which teaches algebraic and geometric concepts through computer programming. The twenty lessons focus on concepts like order of operations, the Cartesian plane, function composition and definition, and solving word problems - all within the context of video game design. By shifting classwork from abstract pencil-and-paper problems to a series of relevant programming problems, Code.org "CS in Algebra" demonstrates how algebra applies in the real world, using an exciting, hands-on approach to create something cool. At the end of the course, students will have written programs to build composite images, animations, and a complete video game of their own design, all of which can be shared to demonstrate mastery of programming and algebra.

Signatures:

Pat McWhorter

Counselor

3/27/15

Date

Dr. Paula Brown

Principal

3/27/15

Date

[Signature]

Superintendent

3/27/15

Date

Board Approval _____

Date

Camdenon R-III
Request for Course Addition

Course Number: _____

Course Title: History and Hollywood

District Department: _____

Graduation Department: n/a

Request Effective Date: 3-25-15

(Complete any of the following that apply)

(Circle appropriate choice)

Abbreviated Title (20 character max)

Subject Type: Reg

Hollywood History

Subject Term Type:

___ Credits per Semester

Weight: Reg Adv Hhrs

___ Grade Level for Curriculum

Honors: No

30 Preferred Class Size

Grade Level ___ To ___

yes Used for Grading

___ Used for Core GPA

___ Used for Core Scheduling

___ Used for HS Transcript

yes Used for Marking Attendance

State Reporting:

___ State Code

___ State Program Code

___ State Testing Method

___ State Delivery Method

___ State Type Code

___ State Sequence Code

___ Career-Ed Code

___ State Minutes Per Week

Course Description

This class explores historical eras and/or events (such as the Middle Ages, US Civil War, World War II, etc.) through analysis of popular movies. We will view several feature-length films and/or clips, interspersed with readings from and about the historical period/event involved. We will compare and contrast the movies' depictions of historical periods with the primary and secondary sources. Our aim will be to enable students to critically evaluate historical films.

Signatures: Pat McWhiter Counselor 3/27/15 Date
Dr. Paula Brown Principal 3/27/15 Date
[Signature] Superintendent 3/27/15 Date
Board Approval _____ Date

**Camdenton R-III
Request for Course Addition**

Course Number: _____

Course Title: Gateway to Technology Desgin & Modeling

District Department: PLTW

Graduation Department: _____

Request Effective Date: Fall 2015

(Complete any of the following that apply)

(Circle appropriate choice)

Abbreviated Title (20 character max)

Subject Type: Reg Adv

GTT-DM

Subject Term Type: Yr Sem

____ Credits per Semester

Weight: Reg Hnrs Adv

____ Grade Level for Curriculum

Honors: Yes No

____ Preferred Class Size

Grade Level _____ To _____

____ Used for Grading

____ Used for Core GPA

____ Used for Core Scheduling

____ Used for HS Transcript

____ Used for Marking Attendance

State Reporting:

____ State Code

____ State Type Code

____ State Program Code

____ State Sequence Code

____ State Testing Method

____ Career-Ed Code

____ State Delivery Method

____ State Minutes Per Week

Detailed Course Description (type below):

Students apply the design process to solve problems and understand the influence of creativity and innovation in their lives. They work in teams to design a playground and furniture, capturing research and ideas in their engineering notebooks. Using Autodesk design software, students create a virtual image of their designs and produce a portfolio to showcase their innovative solutions.

Signatures: _____

Bruce Bourgeois

Counselor _____

Date _____

Dr. Paula Brown Principal 3/20/15 Date
[Signature] Superintendent 4/1/2015 Date
Board Approval _____ Date

DRAFT

**Camden R-III
Request for Course Addition**

Course Number: _____

Course Title: Automation and Robotics

District Department: Practical Arts

Graduation Department: n/a

Request Effective Date: 5/11/15

(Complete any of the following that apply)

(Circle appropriate choice)

Abbreviated Title (20 character max)

Subject Type: Reg AR

Subject Term Type: Semester

.5 Credits per Semester

Weight: Reg Adv Hrs

6-8 Grade Level for Curriculum

Honors: No

20 Preferred Class Size

Grade Level 7 To 8

yes Used for Grading

____ Used for Core GPA

____ Used for Core Scheduling

____ Used for HS Transcript

yes Used for Marking Attendance

State Reporting:

____ State Code

____ State Type Code

____ State Program Code

____ State Sequence Code

____ State Testing Method

____ Career-Ed Code

____ State Delivery Method

____ State Minutes Per Week

Course Description:

Students trace the history, development, and influence of automation and robotics as they learn about mechanical systems, energy transfer, machine automation, and computer control systems. Students use the VEX Robotics® platform to design, build, and program real-world objects such as traffic lights, toll booths, and robotic arms. _____

Signatures:

Gauri Kulkarni

Counselor _____ Date

Dr. Paula Bryson

Principal 3/30/15 Date

[Signature]

Superintendent 4/1/2015 Date

Board Approval _____ Date

Camdenton R-III
Request for Course Addition

Course Number: _____

Course Title: Energy and Environment

District Department: Practical Arts

Graduation Department: n/a

Request Effective Date: 5/11/15

(Complete any of the following that apply)

(Circle appropriate choice)

Abbreviated Title (20 character max)

Subject Type: Reg EE

Subject Term Type: Semester

.5 Credits per Semester

Weight: Reg Adv Hrs

6-8 Grade Level for Curriculum

Honors: No

20 Preferred Class Size

Grade Level 7 To 8

yes Used for Grading

____ Used for Core GPA

____ Used for Core Scheduling

____ Used for HS Transcript

yes Used for Marking Attendance

State Reporting:

____ State Code

____ State Type Code

____ State Program Code

____ State Sequence Code

____ State Testing Method

____ Career-Ed Code

____ State Delivery Method

____ State Minutes Per Week

Course Description:

Students are challenged to think big and toward the future as they explore sustainable solutions to our energy needs and investigate the impact of energy on our lives and the world. They design and model alternative energy sources and evaluate options for reducing energy consumption. _____

Signatures:

Karen Belmont

Counselor

____ Date

Dr. Paula Brown

Principal

3/30/15

Date

[Signature]

Superintendent

4-1-2015

Date

Board Approval

____ Date

Camdenton R-III
Request for Course Addition

Course Number: _____

Course Title: Green Architecture

District Department: Practical Arts

Graduation Department: n/a

Request Effective Date: 5/11/15

(Complete any of the following that apply)

(Circle appropriate choice)

Abbreviated Title (20 character max)

Subject Type: Reg GA

Subject Term Type: Semester

.5 Credits per Semester

Weight: Reg Adv Hrs

6-8 Grade Level for Curriculum

Honors: No

20 Preferred Class Size

Grade Level 7 To 8

yes Used for Grading

____ Used for Core GPA

____ Used for Core Scheduling

____ Used for HS Transcript

yes Used for Marking Attendance

State Reporting:

____ State Code

____ State Type Code

____ State Program Code

____ State Sequence Code

____ State Testing Method

____ Career-Ed Code

____ State Delivery Method

____ State Minutes Per Week

Course Description:

Today's students have grown up in an age of "green" choices. In this unit, students learn how to apply this concept to the fields of architecture and construction by exploring dimensioning, measuring, and architectural sustainability as they design affordable housing units using Autodesk's® 3D architectural design software.. _____

Signatures:

Yvonne Poyment

Counselor

_____ Date

Dr. Paula Brown

Principal

3/30/15

Date

Byron J. ...

Superintendent

4-1-2015

Date

Board Approval _____

_____ Date

Camdenton R-III
Request for Course Addition

Course Number: _____

Course Title: Magic and Electrons

District Department: Practical Arts

Graduation Department: n/a

Request Effective Date: 5/11/15

(Complete any of the following that apply)

(Circle appropriate choice)

Abbreviated Title (20 character max)

Subject Type: Reg MofE

Subject Term Type: Semester

.5 Credits per Semester

Weight: Reg Adv Hrs

6-8 Grade Level for Curriculum

Honors: No

20 Preferred Class Size

Grade Level 7 To 8

yes Used for Grading

____ Used for Core GPA

____ Used for Core Scheduling

____ Used for HS Transcript

yes Used for Marking Attendance

State Reporting:

____ State Code
____ State Program Code
____ State Testing Method
____ State Delivery Method

____ State Type Code
____ State Sequence Code
____ Career-Ed Code
____ State Minutes Per Week

Course Description:

Through hands-on projects, students explore electricity, the behavior and parts of atoms, and sensing devices. They learn knowledge and skills in basic circuitry design, and examine the impact of electricity on the world around them. _____

Signatures: Chuck Polgreen Counselor _____ Date _____

Dr. Paula Brown Principal 3/30/15 Date _____

[Signature] Superintendent 4-1-2015 Date _____

Board Approval _____ Date _____

Camdenton R-III
Request for Course Addition

Course Number: _____

Course Title: Science and Technology

District Department: Practical Arts

Graduation Department: n/a

Request Effective Date: 5/11/15

(Complete any of the following that apply)

(Circle appropriate choice)

Abbreviated Title (20 character max)
Subject Term Type: Semester

Subject Type: Reg S&T

.5 Credits per Semester

Weight: Reg Adv Hrs

6-8 Grade Level for Curriculum

Honors: No

20 Preferred Class Size

Grade Level 7 To 8

yes Used for Grading

____ Used for Core GPA

____ Used for Core Scheduling

____ Used for HS Transcript

yes Used for Marking Attendance

State Reporting:

____ State Code
____ State Program Code
____ State Testing Method
____ State Delivery Method

____ State Type Code
____ State Sequence Code
____ Career-Ed Code
____ State Minutes Per Week

Course Description:

Science impacts the technology of yesterday, today, and the future. Students apply the concepts of physics, chemistry, and nanotechnology to STEM activities and projects, including making ice cream, cleaning up an oil spill, and discovering the properties of nano-materials. _____

Signatures:

Christine Bergman

Counselor

_____ Date

Dr. Paula Brown

Principal

3/30/15

Date

[Signature]

Superintendent

4-1-2015

Date

Board Approval _____

_____ Date