

CODE

RVA

Regional High School

OPEN HOUSE

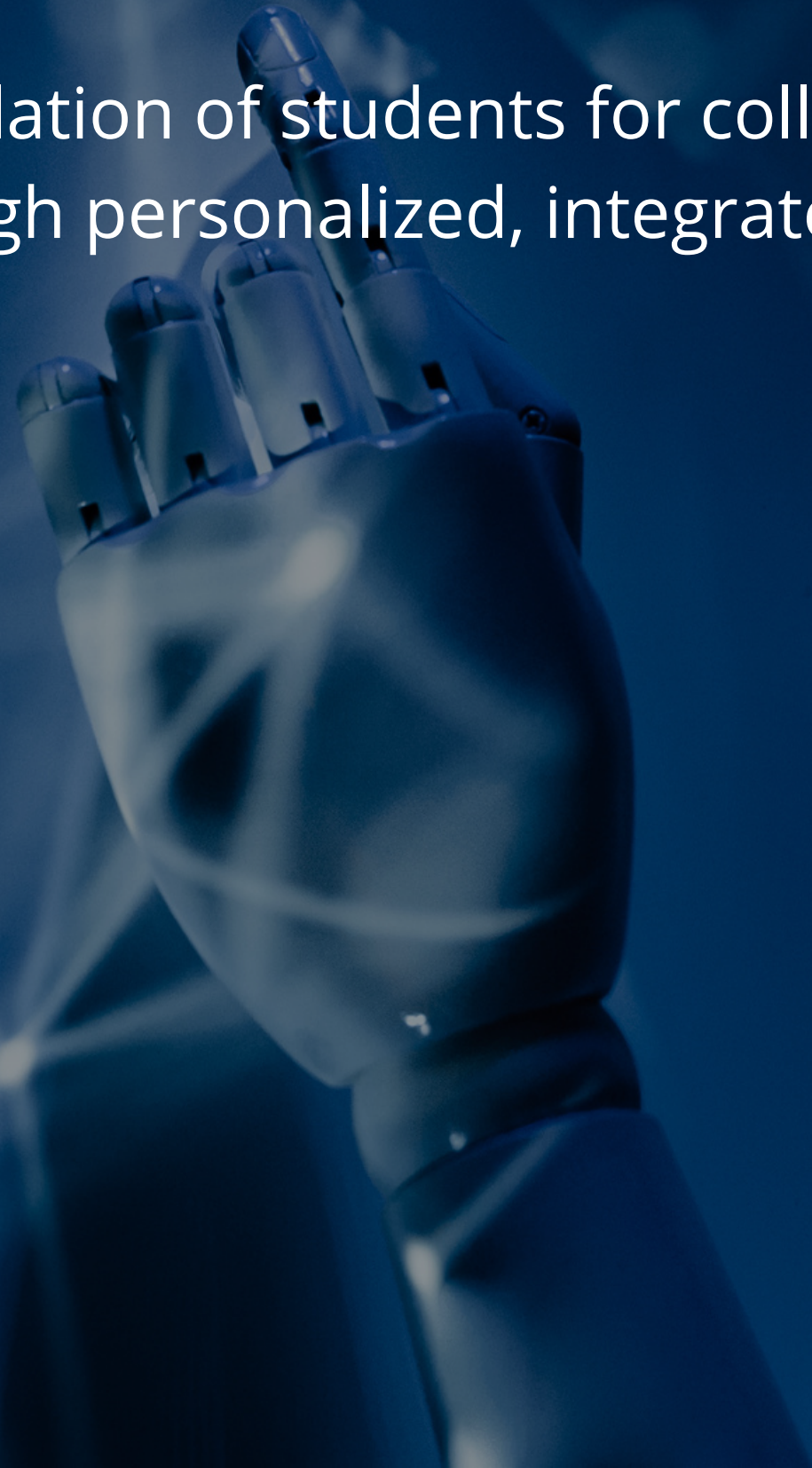
2023 - 2024



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copy of tonight's slide deck

OUR MISSION

To prepare a diverse population of students for college and careers in computer science through personalized, integrated, and applied learning.



UNTRADITIONAL OPPORTUNITIES

Associate Degree, Extended Internships, Industry Certifications, Microcredentials

PREPARATION FOR THE FUTURE

College and Career Readiness in Computer and Technology Fields

KEY CONCEPTS

LEVERAGING TECHNOLOGY

Our Blended Learning model provides facilitated virtual and face-to-face instruction

PROJECT MANAGEMENT

Self-management for and collaboration on projects using Agile and Scrum methodologies.

**11TH & 12TH
GRADE
INTERNSHIPS**

**CURRICULUM
GROUNDED IN
COMPUTER
SCIENCE**

**DUAL
ENROLLMENT**

**PERSONALIZED
LEARNING**

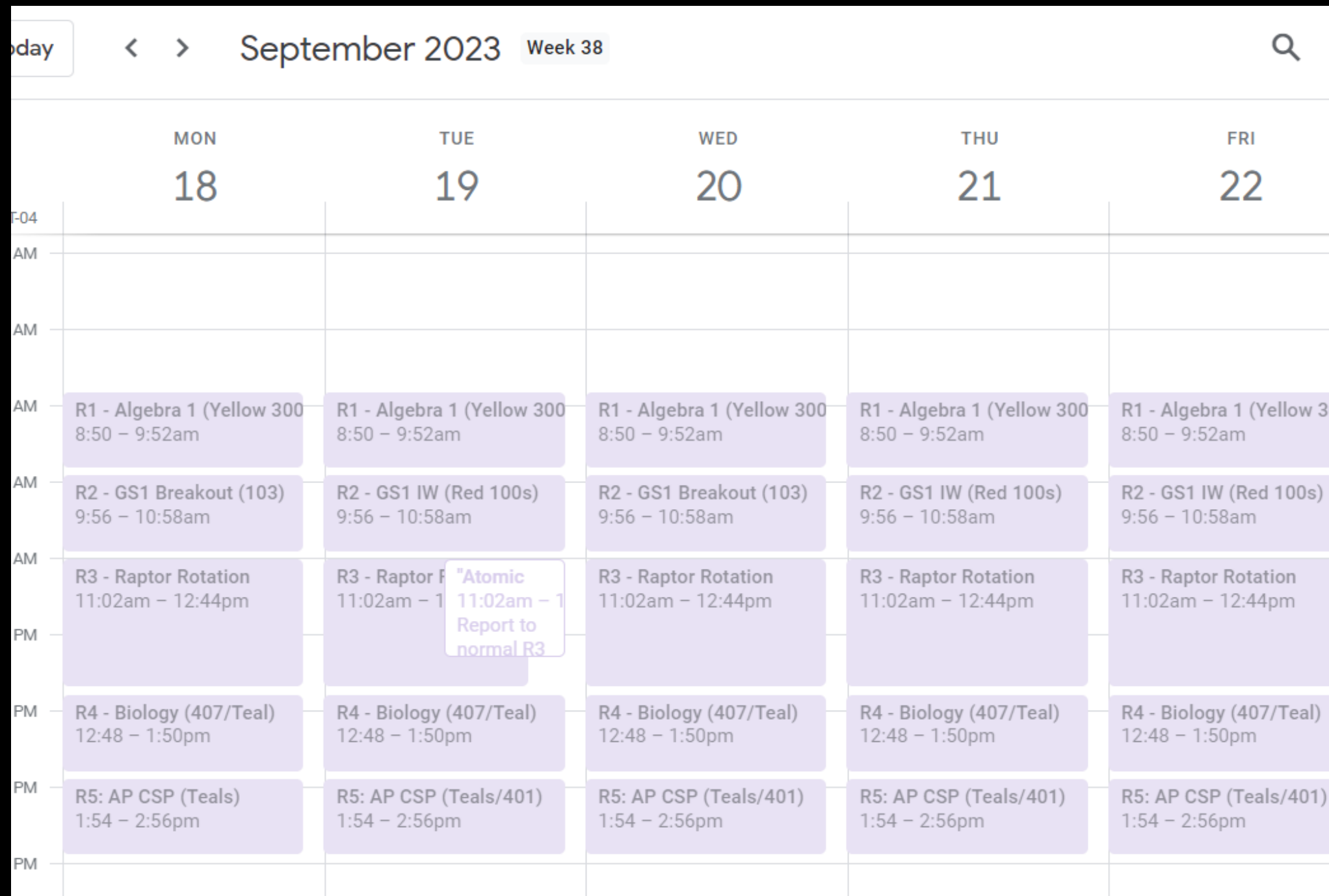
**SELF-DIRECTED
LEARNING**

**BLENDED
LEARNING**

INSTRUCTIONAL MODEL

LOGISTICS





R4 - Algebra 2 (Yellow 300's)

Tuesday, August 22 - 12:48 - 1:50pm

Weekly on weekdays, until Oct 6, 2023

18 guests

14 yes

4 awaiting

Open Space:

1. [Quizizz \(Link to join our class\)](#)

2. You have been assigned an activity called :first week: evaluating expressions." You can find it by selecting our class and then Activity.

3. The Coordinate Plane and Plotting Points Desmos Activity - Go to student.desmos.com

Breakout:

Four 4's Activity

 Amanda Boor

DAY IN THE LIFE

EXTENDED SCHOOL YEAR SCHEDULE

SEMESTER 1

Traditional high school's 1st semester

SEMESTER 2

Traditional high school's 2nd semester

SUMMER SESSION

One to six weeks during summer

***Varies based on students' grade level, academic pathway, and academic success (students taking Dual Enrollment courses should plan to attend during the summers before 11th and 12th grade)**

TRANSPORTATION

Each school division provides transportation at no cost to students and families.

Some school divisions share transportation with Maggie L. Walker Governor's School.

***Contact your home zoned high school for more information.**

VHSL ACTIVITIES



Students are eligible to participate in VHSL activities at their home zoned high school.

CodeRVA families are responsible for contacting their home school with any questions.



FLEX DAY

FLEX DAY

1 - 2 times per month

Students use a Google Form to sign up for different activities

Morning = Catch up on work and read!

Afternoon = Choose 3 activities!

Examples include:

Anime Club

eSports

Trivia

Art Club

Football at SCOR

Retro Video Games Club

Legos

Debate Club

Yearbook





FIELD TRIPS



FIELD TRIPS



HOMECOMING & PROM

TRA 400

27A

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27A

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TRA 400

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HOMECOMING & PROM

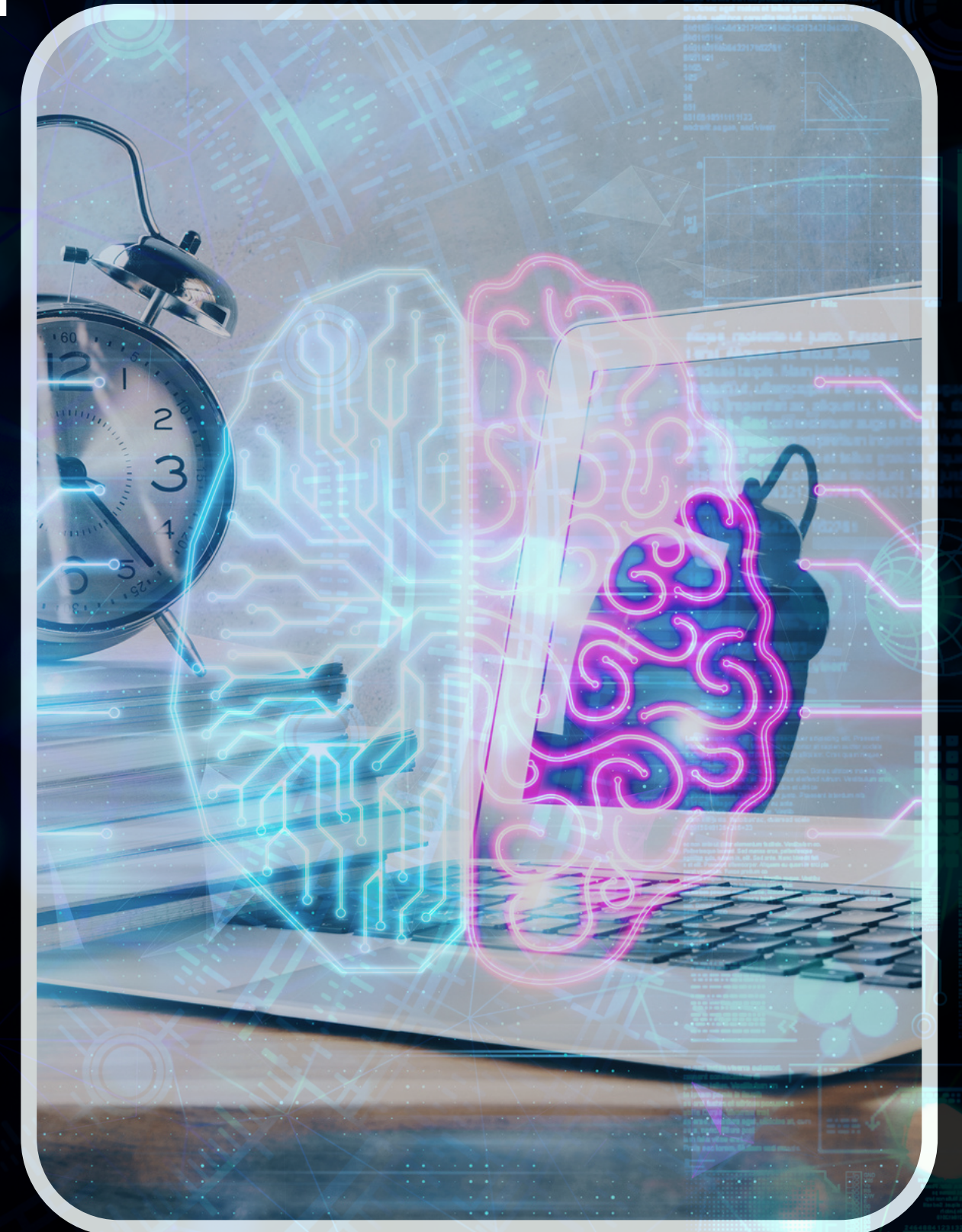


INTERNSHIPS

11TH GRADE INTERNSHIP

(BUSINESS SIMULATOR)

- Employability/Soft Skills
- Technical Skills and Roles
 - Business Intelligence
 - Software Development
 - Data Analytics
 - Information Security/Cybersecurity
 - UX/UI Design
 - Web Development
- Agile Project Management
- Coding Your Own Portfolio Website
- Mock Interviews



12TH GRADE INTERNSHIP

(CLIENT WORK +
PASSION
PROJECT)

- 6 Week, On-Site Experience
- Apply Skills From 11th Grade Internship
- Student Teams Paired With Business Partners
- Project Launches, Weekly Client Meetings, and Demo Day
- Passion Project - Student Choice; Prototype and Pitch

ACADEMIC PATHWAYS





ACADEMIC PATHWAYS



APPLIED

WEB DESIGN

**APPLIED WITH
DUAL ENROLLMENT**

**ASSOCIATE
DEGREE**

ACADEMIC PATHWAYS



APPLIED PATHWAY

- Students earn a Standard or Advanced Virginia High School Diploma
- Can earn industry credentials in Hardware and Networking; Programming with Python; and Cybersecurity.

WEB DESIGN PATHWAY

- 24 college credits
 - Career Studies Certificate from Brightpoint in Web Design
 - Credits transfer directly to Brightpoint's Associate Degree in Web Design program
- *Transfer credits vary otherwise depending on 4-year college/university. Must adhere to admission and placement requirements as provided by Brightpoint*

ACADEMIC PATHWAYS



APPLIED WITH DUAL ENROLLMENT

Up to 30 college credits

- *Transfer credits vary depending on 4-year college/university
- Includes options for standard high school vs. Dual Enrollment courses
- Allows for additional electives based on student interest

ASSOCIATE DEGREE

60 college credits

- *Transfer credits vary depending on 4-year college/university
- Must adhere to admission and placement requirements as provided by J. Sargeant Reynolds
- Must pass Algebra II with a C or higher



IEP & 504 Services

CodeRVA collaborates with each student's home zoned high school to provide accommodations and supports in the general education setting.



CURRICULUM & INSTRUCTION

CONTENT AREA OVERVIEW

COMPUTER SCIENCE

HUMANITIES

SCIENCE

MATHEMATICS

COMPUTER SCIENCE

9TH GRADE

CodeRVA CS courses represent a variety of CS clusters.

Students start with an introductory course suited for both novice and experienced coders.

Students then choose courses in Networking & Cybersecurity, Design and Programming.

10TH GRADE

Hardware and Networking

Programming with Python

Web Development and Programming with Javascript

11TH & 12TH GRADE

AP Computer Science A-Java

CyberSecurity Fundamentals

CyberSecurity Network Systems

Game Design and Development

WEB DESIGN

Design for the Web I

Introduction to Computer Graphics

Design for the Web II

Interactive Design I

Client Side-Scripting

Interactive Design II

Python

Web Design Project

DUAL ENROLLMENT

Introduction to Problem Solving and Programming

Object-Oriented Programming

Data Structures and Analysis of Algorithms

Computer Organization

Discrete Structures

HUMANITIES

9TH GRADE

Global Studies 1
(English 9 + World Geography I)

10TH GRADE

Global Studies II
(English 10 + World Geography II)

11TH GRADE

American Studies I
(English 11 + VA/US History)

DUAL ENROLLMENT

DE College Composition I and II
DE US History I
DE Music Appreciation

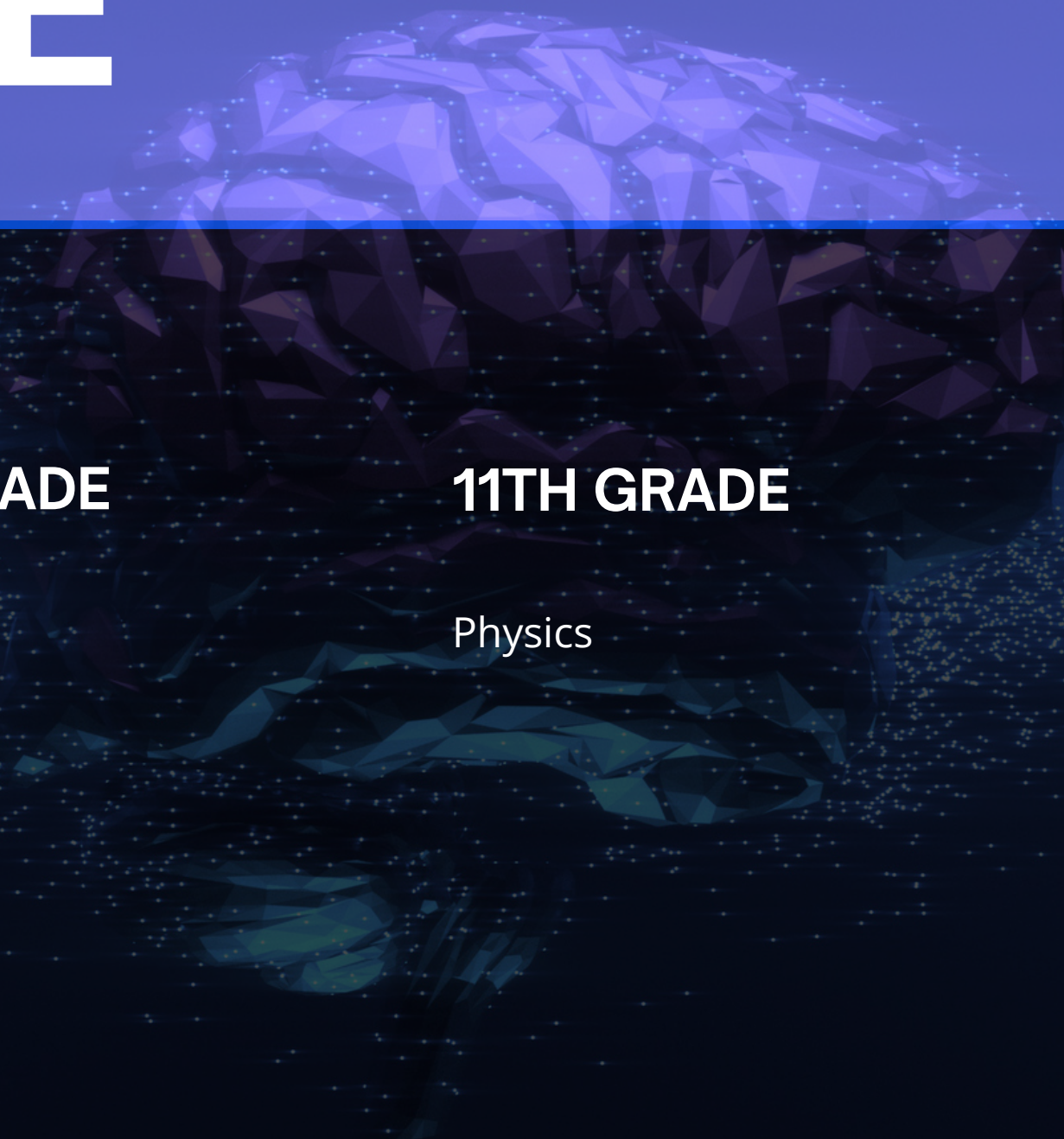
12TH GRADE

American Studies II
(English 12 + VA/US Government)

DUAL ENROLLMENT

DE Survey of American Literature
DE US Government

SCIENCE



9TH GRADE

Biology

10TH GRADE

Chemistry

11TH GRADE

Physics

12TH GRADE

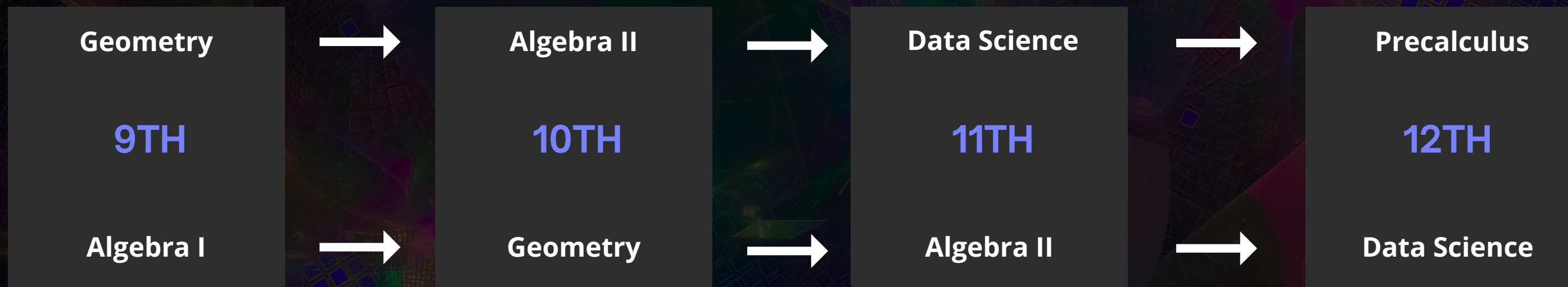
Anatomy
Astronomy
Ecology

DUAL ENROLLMENT

Biology I
Biology II

MATHEMATICS

ENROLLED IN
ALGEBRA 1



ENROLLED IN
PRE-ALGEBRA



- *Some students may have taken Geometry in 8th grade and will enroll in Algebra II during their 9th grade year.*
- **Some students may have taken Algebra II in 8th grade and will enroll in Precalculus in their 9th grade year.*
- ***Course sequences may vary after students identify the Academic Pathway they would like to pursue.*

ELECTIVES, WORLD LANGUAGES, AND RAPTOR ROTATION

ELECTIVES

Health / PE

Economics and Personal
Finance

WORLD LANGUAGES

American Sign Language (I, II, III)

Arabic (I, II, III)

Chinese (I, II, III, IV, AP)

French (I, II, III, IV, AP)

German (I, II, III)

Italian (I)

Latin (I, II, III, IV, AP)

Spanish (I, II, III, IV, AP)

RAPTOR ROTATION

Raptor Rotation is a dedicated time in the day when students can work in small groups with a consistent staff member on their online courses and/or CodeRVA courses.

Students also read each Wednesday (#onwednesdayweweread) and explore school wide lessons on durable skills and building study habits.



LOTTERY APPLICATION INFORMATION

BARRIER FREE LOTTERY

- 1 No minimum GPA required
- 2 No letters of recommendation
- 3 No essay, performance, or other tasks required
- 4 No interview required

IMPORTANT LOTTERY DATES

JANUARY 8, 2024

FEBRUARY 16, 2024

MARCH 1, 2024

MARCH 15, 2024

APPLICATION
OPENS

APPLICATION
CLOSES

ACCEPTED
STUDENTS
NOTIFIED

DEADLINE TO
ACCEPT/DECLINE

WHEN COMPLETING YOUR APPLICATION

Have your Current Middle School's Student ID Number and your Current Middle School Counselor's Email Address.



application will go live on our website january 8

www.coderva.org



@coderva1



@coderva



Q&A

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