

# Innovating High Schools in the Richmond Region

**cracking the code to next-generation digital literacy for all kids**

**code**  
**RVA**



# What will be innovative about **CodeRVA** in grades 9/10?

Students will complete all high school credits during their 9th and 10th grade year

All courses will be personalized/blended learning experiences and/or full-time virtual learning

All courses will be built on integration of subject matter and pedagogy will be project-based

All courses will be integrated with a Computer Science component and the school will be 1:1 with technology



# STATUS REPORT

Massive Open Online Course Created for FY17.

Financial Commitment from 11 of 14 Participating Districts for 2016-2017 Planning Year (\$15,000)

Scope and Sequence Created for the Graduate of CodeRVA

Still seeking permanent location for FY18

Curriculum Writing has begun

Student selection process for FY17 is in progress

Student selection process for FY18 is being created



# What will be innovative about **CodeRVA** in grades 11/12?

Students will still remain at the high school; however, they will work for a company in Richmond called MaxxPotential

Maxx has formed partnerships with local businesses to incurse work – i.e. they will pay students to complete “low level” computer science/coding jobs typically outsourced overseas

Students can be “promoted” while working for Maxx like the real job world and can graduate high school making as much as \$25 per hour – will have focus on all areas of computer science – CyberSecurity, Software Engineering, etc.

While working for Maxx, JSRCC and JTCC have agreed to offer the entire 2-year degree program to our students online

All students will graduate with a two-year degree and extensive workforce experience, thus, College and Career Ready



# Implementation 2016-2017

## SAMPLE SCOPE & SEQUENCE

Subject to change

Cohort I – Students Entering 2016-2017 School Year

GRADE 9	SUMMER SESSION	GRADE 10	SUMMER SESSION	GRADE 11	SUMMER SESSION	GRADE 12
09 ENGLISH	10 PE/Driver's Ed	American Studies	PBL	Community College Courses	Community College Courses	Community College Courses
MATHEMATICS Pre-Alg. Alg. Geometry	PBL	Math Investigations II	Internships/ Apprenticeship			
BIOLOGY	Bridge Instructional Period for reteaching or enrichment based on individual student needs	Scientific Investigations II	Bridge Instructional Period for reteaching or enrichment based on individual student needs	Internship / Apprenticeship	Internship / Apprenticeship	Internship / Apprenticeship
WORLD HISTORY I		Integrated Computer Science				
09 HEALTH & PE		Global Studies				
World Language						
Intro to Computer Science I MOOC *						



# Implementation 2017-2018

## SAMPLE SCOPE & SEQUENCE

Subject to change

Cohort II – Students Entering 2017-2018 School Year

GRADE 9	SUMMER SESSION	GRADE 10	SUMMER SESSION	GRADE 11	SUMMER SESSION	GRADE 12	
Global Studies	10 PE/Driver's Ed Online Course	American Studies	PBL	Community College Courses	PBL	Community College Courses	
Mathematics Investigations I	PBL	Mathematics Investigations II	Internships/ Apprenticeships				
Scientific Investigations I	Bridge Instructional Period for reteaching or enrichment based on individual student needs	Scientific Investigations II	Bridge Instructional Period for reteaching or enrichment based on individual student needs				
Integrated Computer Science		Integrated Computer Science					
09 HEALTH & PE					Internship / Apprenticeship	Internship /Apprenticeship	Internship / Apprenticeship
Intro to Computer Science I MOOC							
Fine Arts Elective Rotation							



# STATUS REPORT

## Student Recruitment

### Student Recruitment & Support

- Created marketing materials
  - ◆ <http://coderva.org/>
  - ◆ [Code RVA Overview Video](#)
- Conducted Counselors Briefing
  - Counselors ToolKit



# MODEL LESSONS

- First Annual Innovative High School Virtual Symposium
- Phoenix Academy Visit
- Film Screening and Panel Discussion  
***Most Likely to Succeed***
- Warrior Tech Visit



# Key Conditions

Budget completed for FY17 (\$15,000 per division)

Budget estimated for FY18 (\$9,000 per student)

Total number of students estimated in FY18 is 100

Total budget \$900,000

YR Planning Grant

Thank you for allowing us to open in a phased approach from MOOC to School



# Innovation Barriers

Time

Funding

Higher Ed/SCHEV/VCCCS Rules

Innovation Learning Curve

- Communicating a clear understanding of innovation to the business community and traditional educators
- Belief that innovative programs are for “talented” students only



# Process Alterations

- Expand timeline - 2-3yr
- Fundraising
- More \$ upfront



# Desired Waivers

- ★ Student mastery of competencies will be the focus and learning will be verified through project-based and work experiences.
- ★ Computer science will be embedded into every course with demonstrated competency mastery



# Re-thinking Calendar Requirements

This school may operate on a trimester vs semester calendar.

Waive Labor Day requirements for this specialty school.

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**In progress...**

Determining a Location

Developing Integrated Curriculum

Apply for VDOE Waivers

Marketing Opportunity to Students and Parents

Selecting Students

Begin Hiring Staff

Provide Professional Development for Staff

Establish Regional School Board

Establish 501(c)3 Foundation for Financial Support

**Thank you.**

Once we have  
proof of  
concept, we  
hope to  
replicate this  
model across  
all career  
pathways