

Your Lab School pathway to a STEAMh career

Richard Bland College Petersburg City Public Schools

> Year 3 – Rural School Partners include: Sussex County Public Schools Prince George County Public Schools

## PRESIDENT'S REMARKS

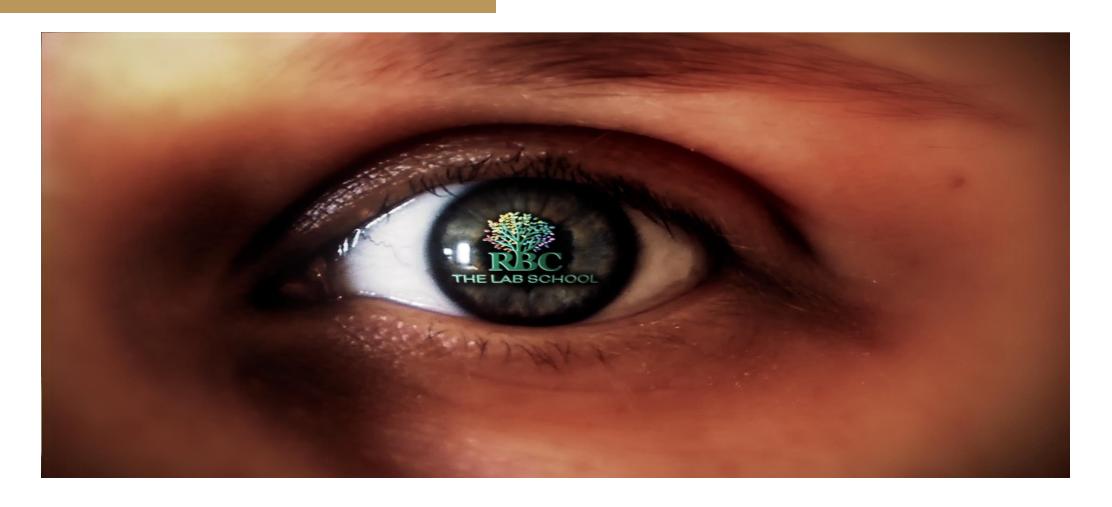


# DR. DEBBIE SYDOW

President



# LAB SCHOOL VIDEO



WATCH THE LAB SCHOOL PROPOSAL CLICK HERE



## LAB SCHOOL UPDATE



DR. KIMBERLY BOYD

Vice President

Chief Research & Innovation Officer



MR. KENNETH PRITCHETT
Petersburg Board Chair
Ward 3 Representative



### RBC LAB SCHOOL

**Globe Academy** will engineer pathways to excellence in STEAM<sup>h</sup> education for students who 1) have an interest and ability in STEAM<sup>h</sup> and 2) would gain confidence and efficacy in preparation for STEAM<sup>h</sup> careers through participation in structured, supplemental programming. Students will <u>remain enrolled in their home school</u> divisions and will engage in unique STEAM<sup>h</sup> experiences and handson research at RBC:

- STEM Physics, Chemistry, Biology, Psychology, Math, and computer science
- Art vision planning, creativity and innovation and
- Health health promotion, disease prevention and healthcare.

### GLOBE PROGRAMS - SUPPLEMENTAL (TOTAL 375)

Summer STEAM<sup>h</sup> *residential* academy (3-6 weeks)

Weekend college - 2 weekends a month

After school weekly tutoring and instruction

3-tiered mentoring —enhanced work study, labs (on and off campus with industry partners through service learning)

Summer programs include drones (Drone-Up), aviation (Richmond International Airport), virtual reality, and health (nursing, premed with Bon Secours Southside Regional Medical Center)



### GLOBE PROGRAMS - OPTIONAL (TOTAL 375)

Advanced STEAM<sup>h</sup> research teams with tutoring and instruction

Summer STEAM<sup>h</sup> <u>residential</u> academy (3-6 weeks) & weekend college

Dual Enrollment courses towards an associate degree

3-tiered mentoring —enhanced work study, labs (on and off campus with industry partners through service learning, *internships*, *externships*)

Enhanced experiential learning opportunities that will include the summer programs (drones, aviation, VR and health)



#### STUDENT POPULATION - OPTIONAL - ADVANCED(Total 345)

Advanced STEAM Research Teams

**Dual Enrollment Courses** 

**Associate Degree** 

Enhanced Experiential Learning Opportunities

School Division	YR 1		YR 2		YR 3		YR 4		YR 5	
Primary School PCPS	Target 25	Grades 11 <sup>th</sup>								
			Target 25	Grades 12 <sup>th</sup>	Target 25	Grades 12 <sup>th</sup>	Target 25	Grades 12 <sup>th</sup>	Target 25	Grade 12 <sup>th</sup>
Rural School					Target 15	Grades 11 <sup>th</sup>	Target 15	Grades 11 <sup>th</sup>	Target 15	Grade 11 <sup>th</sup>
#1						*	Target 15	Grades 12 <sup>th</sup>	Target 15	Grade:
Rural							Target 15	Grades 11 <sup>th</sup>	Target 15	Grade 11 <sup>th</sup>
School #2							13	*		
									15	12 <sup>th</sup>
New Students	25		25		40		55		55	
Total Students	25		50		65		95		110	



### PATHWAYS

#### Stem Pathways

- Education 4 year degree pursuit
- Natural and behavioral sciences
- Health Professions
- Aviation and Drones
- Virtual reality/Augmented Reality

Faculty expertise in curriculum (curriculum development/planning), evidence based practices, instructional programming – Preprogramming

#### Academic

Innovative learning spaces & experiential learning opportunities







