

Virginia Board of Education Agenda Item



Agenda Item: V **Date:** September 28, 2017

Title	Report on High School Planning Innovation Grants (HSPI)		
Presenter	Tina Manglicmot, Ed.D., Director of STEM Office of Science, Technology, Engineering, and Mathematics, Division of Instruction		
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Purpose of Presentation:

For information only. No action required.

Previous Review or Action:

No previous review or action.

Action Requested:

No action requested.

Alignment with Board of Education Goals: Please indicate (X) all that apply:

	Goal 1: Accountability for Student Learning
X	Goal 2: Rigorous Standards to Promote College and Career Readiness
X	Goal 3: Expanded Opportunities to Learn
	Goal 4: Nurturing Young Learners
	Goal 5: Highly Qualified and Effective Educators
	Goal 6: Sound Policies for Student Success
	Goal 7: Safe and Secure Schools
	Other Priority or Initiative. Specify:

Background Information and Statutory Authority:

Since 2015, the Appropriation Act has provided yearly funding for up to five (5) competitive planning grants to be awarded, each not to exceed \$50,000. Individual school divisions or consortia of school divisions have been eligible to submit proposals meeting the intent of the RFP.

Essential elements of high school innovation include: a) student centered learning, with progress based on student demonstrated proficiency; b) “real-world” connections that promote alignment with community work force needs and emphasize transition to college and/or career; and c) varying models for educator supports and staffing. The purpose of the planning grant is to encourage new models of high school organizations and instruction and to identify promising practices for scaling across Virginia in the future.

In addition, the 2016 and 2017 Appropriation Act provided additional money to support HSPI grant awardees in their implementation year. Each school received funding of up to \$50,000 to support the implementation of program innovations.

Summary of Important Issues:

As a result of three consecutive years of funding provided through the Appropriation Act, 15 schools across Virginia have participated in the High School Planning Innovation Grants. In 2015, the first five schools were awarded planning grants. They spent the 2015-2016 school year planning their different innovations and implemented their model in the 2016-2017 school year. In 2016, another five schools were awarded planning grants and they spend the 2016-2017 school year planning the model they will employ in 2017-2018. Lastly, this spring, another five schools were awarded planning grants.

Since the HSPI grant was not specific on the types of models of innovation, many of the schools are planning or have implemented a wide variety of different strategies aligning to the three essential grant elements. All models and strategies will be discussed in this report along with lessons learned at the local and state level. Finally, important regulations and policies directly affecting high school innovation will be discussed.

Impact on Fiscal and Human Resources:

None

Timetable for Further Review/Action:

None

Superintendent's Recommendation:

The Superintendent of Public Instruction recommends that the Board of Education receive this report.

High School Program Innovation

Re-imagining the Future of Education



Purpose of HSPI

- Promote innovation and explore new approaches to engage and motivate students and increase readiness for postsecondary education and training
- The intent
 - encourage new models of high school organization and instruction, and
 - to identify promising practices for scaling across Virginia in the future.

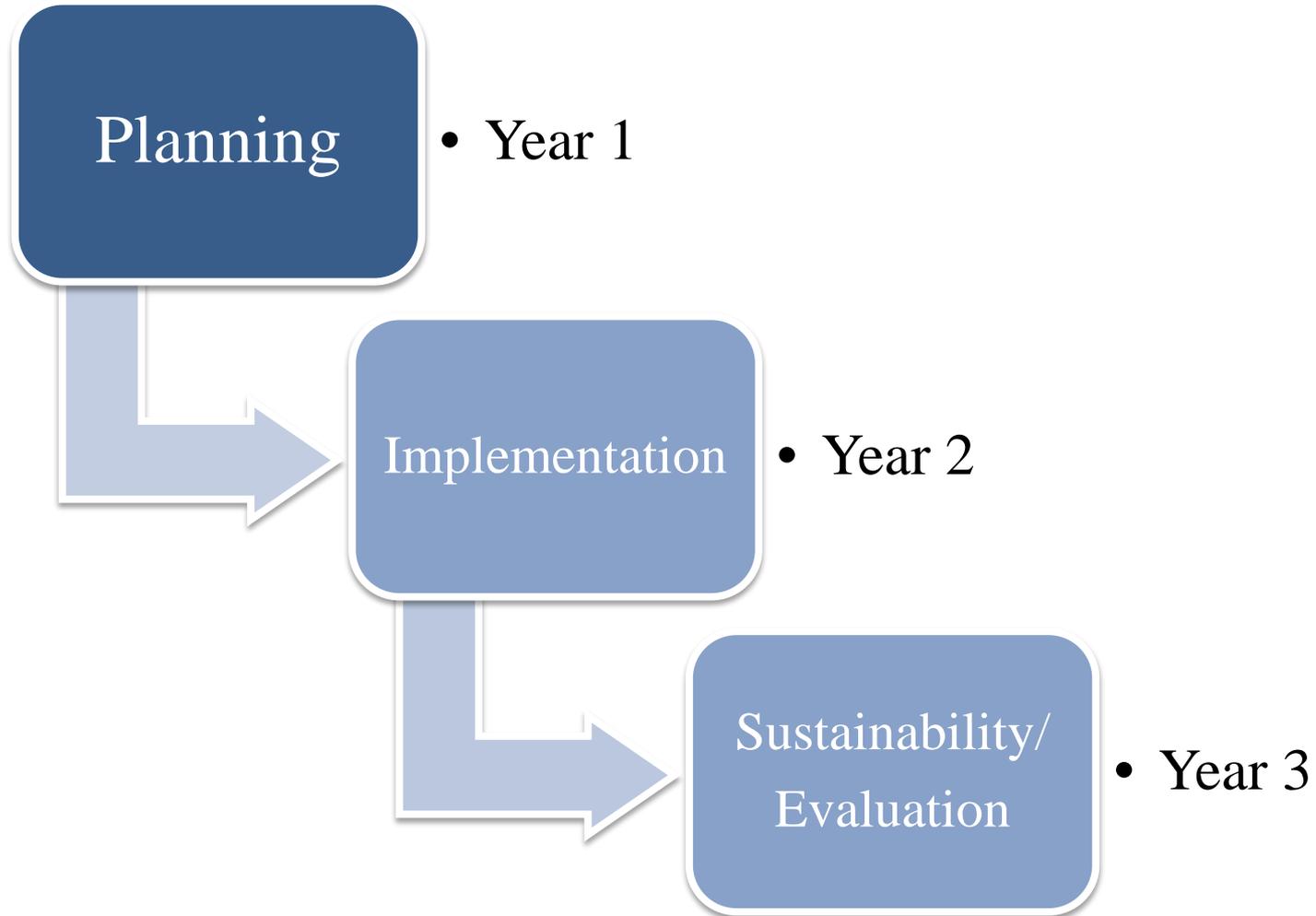
Purpose of HSPI

- Nontraditional approaches to curriculum, instruction, assessment, governance, graduations, and/or school operations.
- Designed to enhance student
 1. achievement through demonstrated proficiency;
 2. preparation for postsecondary education and training; and
 3. workforce development capacity.

Innovations in Proposals

- Alternative pathways towards graduation
- Personalization
- Competency-based learning
- Partnerships
- Creditable internship or mentorship opportunities
- Innovative learning environments
 - Blended learning
 - Online learning
 - Project-based learning/exploratory learning
- Alternative schedules or school governance models
- Inclusive of all students
- Expandable
- Sustainability

HSPI Process



Current HS Program Innovators

2016-2017 Planning	2015-2016 Planning 2016-2017 Implementation
Bedford – Early HS personalized learning teams, Advanced HS pathways	WJCC – Warhill Project Pathways; blended, project-based, personalized, early and advanced HS
VA Beach – competency-based, multi-pathway, blended curriculum	NNPS – Career Academy @ Heritage HS
Hampton – student-centered; real word, competency based	Richmond Area – Code RVA
Madison – Core Craft Skills program; Simulated Workforce Model	Salem – Career interest pathways, 1:1 laptop expansion, power standards development
WJCC – Division; blended, project-based, early and advanced HS	Fairfax – Global STEM Challenge Program @ Edison HS

Hampton City Schools

Year 1 - Planning

- Freshman academy
 - all high schools
 - academy counselor
 - academy coach
- Wall-to-wall career academies
 - Open enrollment
 - 3 different academies at each of the 4 high schools
- Community engagement
 - 7 project planning meetings

Bethel High School

9th Grade

Freshman Academy - *Discovery of Self and Interests*

10th – 12th Grade

Governor's Health Science Academy

Health Informatics and Support Services

Diagnostic and Therapeutic Services

Biotechnology Research and Development

Physical Training and Nutrition

Academy of Law and Public Safety

Law and Legal Services

Law Enforcement

Emergency Medical Services and Fire Fighter

Army JROTC

Information Analytics, Transportation, and Logistics

Programming and Software Development

Network Security

Business Management

Transportation and Logistics

Automotive Technology

Arts and Media Academy

Media and Communications

Music Arts and Production

Instrumental and Vocal Arts

Kecoughtan High School

9th Grade

Freshman Academy - *Discovery of Self and Interests*

10th – 12th Grade

Architecture and Applied Arts Governor's STEM Academy

Construction Design

Architectural Engineering

Graphic Design

Fashion Design

Entrepreneurship and Finance Academy

Entrepreneurship and Marketing

World Banking and Finance

Information Technology and Cyber Security

Education and Training Academy

Early Childhood and Youth Development

Education and Training

Counseling

Navy JROTC

Academy of Performing Arts

Theater Production

Vocal Arts

Instrumental Arts

Hampton High School

9th Grade

Freshman Academy - *Discovery of Self and Interests*

10th – 12th Grade

Aerospace, Trades, and Information Technology Academy

Aerospace Engineering

Construction

Air Force JROTC

Information Technology

Information Management

Academy of Health and Human Services

Counseling and Mental Health Services

Family and Community Services

Personal Care Services

Consumer Services

Arts and Entertainment Academy

Music Arts

Visual Arts

Design Communications

International Baccalaureate

International Baccalaureate

Phoebus High School

9th Grade

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10th – 12th Grade

Information Design and Engineering Academy

Engineering and Manufacturing

Programming and Cyber Security

Video Media Production

Hospitality and Tourism Academy

Sports and Entertainment Marketing

Culinary Arts

Travel and Tourism

Creative Studies Academy

Innovative Arts and Design

Drama and Theater

Instrumental Arts

Madison HS – Simulated Workplace Year 1 -Planning/Implementation

Classrooms become workplace settings

- Student Led Companies
- Workplace teams
- PBL
- 5S environment
- Safety
- Accountability



Building Trades



Nursing Simulation



Warhill HS – Pathways Project

Year 2 - Implementation

- Integrated course curriculum

Early HS – 9 th Grade	Early HS – 10 th Grade
Physics by Design	
Humanities by Design	

- Project-based Learning & Blended Learning
- Career Exploration

Waiting on pics/videos from Carroll and WHS
ITRT

2017-18 HSPI Awardees

2017-2018 Planning Year

Chesterfield County: Internships with county agencies; focus PBL, citizenship & real world application of learning

Fairfax County: Focus on ELL & development of curriculum; mentoring, career exploration and internships

Manassas Park: COMPASS – customized pathways for ELL and struggling learners

Radford High: Core academies (STEM, CTE, Cybersecurity); inquiry-based learning

Rockbridge County: Solutions STEM Academy (agriculture, energy & power, and environmental technology); flexible scheduling, integrated courses, and PBL

Note: There are many other pockets of innovation outside of HSPI across the state

LEA Lessons Learned

- Realistic, initial small goals and long-term goals
- Research – what works well and what doesn't
- Stakeholder involvement & buy-in
- Committed partnerships (higher education & business)
- Curriculum development timeline
- Professional development – ongoing, targeted
- Align work to current state/local initiatives
- Fit for the community

State Lessons Learned

- Professional Learning
 - Integrated curriculum and course development
 - Models of blended learning
 - Shifts from teacher-centered instruction to more student-centered learning
- Personalization of student learning through competency-based education systems

Regulation and Policy

- Standards of Accreditation and Standards of Quality
- Teacher licensure & certification

Next Steps

- Spring 2018
Convening of all HSPI schools to discuss best practices, outcomes and sustainability
- Development of guidance document

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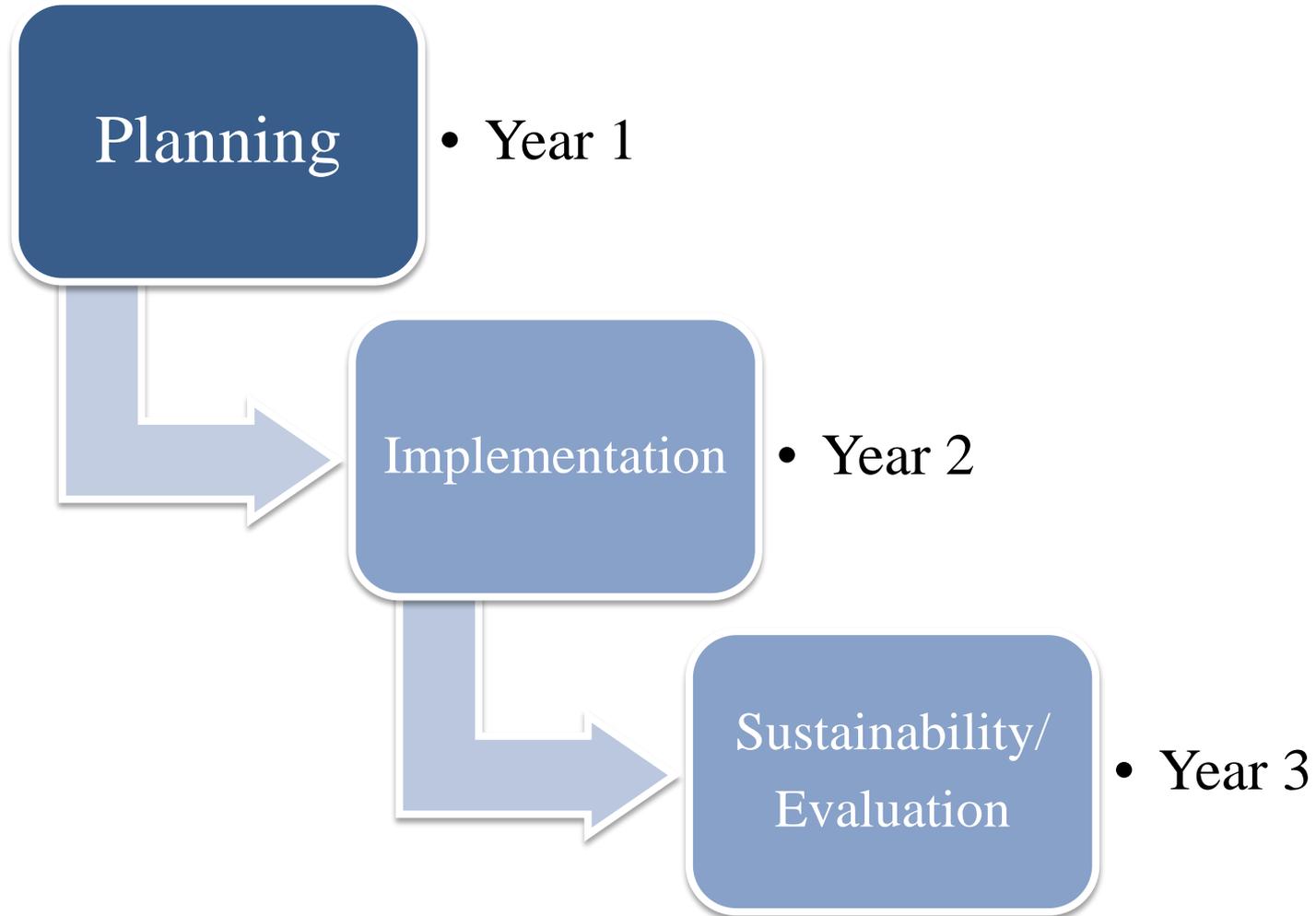
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