Introductions

• Division Superintendents
• VDOE
• VSBA
• VASS
• WHRO
• Virtual VA
• REL
• Office of Secretary of Education
Virginia Department of Education

Dr. James Lane, State Superintendent of Public Instruction
Mr. Michael Bolling, Assistant Superintendent for Dept. of Learning & Innovation
Dr. Tina Manglicmot, Director for Office of STEM & Innovation
Dr. Meg Foley, Virtual Learning Specialist
Mr. Reggie Fox, Virtual Learning Specialist
Dr. Jen Piver-Renna, Director Office of Research
Ms. Jean Weller, Educational Technology Specialist
Ms. Cynthia Evans, Support Staff
Ms. Maggie Clemmons, Coordinator of Organizational Development & Advancement
Division Superintendents

Dr. Mervin B. Daughtery, Region I, Chesterfield County Schools (Mr. Ernest Longworth)
Dr. Jeffrey Smith, Region II, Hampton City Schools
Dr. James G. Smith, Region III, Richmond County Public Schools
Dr. Kevin Newman, Region IV, Manassas City Public Schools (Dr. Catherine Magouyrk)
Dr. Garett Smith, Region V, Staunton Public Schools
Ms. Jeanette Day Warwick, Region VI, Craig County Schools
Dr. Kevin Siers, Region VII, Pulaski County Public Schools (Mr. Lincoln Whitaker)
Mr. Robbie W. Mason, Region VIII, Charlotte County Public Schools
Organizations & Agencies

Dr. Gina Patterson, Executive Director, Virginia School Boards Association
Dr. Ben Kiser, Executive Director, Virginia Association of School Superintendents
Mr. Bert Schmidt, President & Chief Executive Officer, WHRO Public Television
Dr. Brian Mott, Executive Director of Virtual VA, Charlotte County Public Schools
Ms. Holly Coy, Deputy Secretary of Education, Office of the Secretary of Education
Dr. Jessica Mislevy, Director of Digital Learning & Technology Policy, SRI/REL
Dr. Jaunelle Pratt-Williams, Education Researcher & REL Appalachia Project Lead, SRI
Virginia is for Learners
Training K-12 Students to Go Deeper

Students in every grade level will experience a new approach to instruction that focuses on key skills for success in a modern world – Virginia’s 5 C’s: critical thinking, creative thinking, communication, collaboration, and citizenship skills. This approach will prepare every student with the content knowledge they need and the skills they need to apply it successfully after graduation.
Making Student Success the Highest Standard for Every School

Virginia is changing how the Commonwealth evaluates and accredits schools across the state. These changes, in combination with a new approach to the Virginia Standards of Learning (SOLs):

• Provide a more comprehensive view of school quality;
• Place increased emphasis on racial and economic equity;
• Recognize schools that demonstrate continuous improvement; and
• Increase expectations that schools prepare students to succeed in college and the workforce after graduation.
Preparing Virginia Graduates for What Comes Next

Virginia high school graduation requirements have been revised to incorporate the *Profile of a Virginia Graduate*, ensuring graduates have the knowledge, skills, attributes, and experiences identified by employers and educators as critical for future success.

For the first time, all Virginia graduates will also leave high school with life changing work-based learning experiences that put them on the path for a good career and economic advancement.
Vision for Educational Equity:

The commitment to eliminating the predictability of student outcomes based on race, gender, zip code, ability, socio-economic status or languages spoken at home

- Focus on teaching and leading
- Use an equity lens on school funding
- Ensure all students have access to high-quality curricula and programs, including gifted programs
2018-2019 SOL Reading Pass Rate
Digital Equity

Virginia Schools on Fiber

<table>
<thead>
<tr>
<th>Year</th>
<th>On Fiber</th>
<th>Not on Fiber</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>82%</td>
<td>18%</td>
</tr>
<tr>
<td>2015</td>
<td>94%</td>
<td>6%</td>
</tr>
<tr>
<td>2016</td>
<td>95%</td>
<td>5%</td>
</tr>
<tr>
<td>2017</td>
<td>99%</td>
<td>1%</td>
</tr>
<tr>
<td>2018</td>
<td>99.5%</td>
<td>.5%</td>
</tr>
</tbody>
</table>

Source: EducationSuperHighway

Broadband Affordability

<table>
<thead>
<tr>
<th>Year</th>
<th>With Affordable Broadband</th>
<th>Without Affordable Broadband</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>85%</td>
<td>15%</td>
</tr>
<tr>
<td>2015</td>
<td>79%</td>
<td>21%</td>
</tr>
<tr>
<td>2016</td>
<td>71%</td>
<td>29%</td>
</tr>
<tr>
<td>2017</td>
<td>55%</td>
<td>45%</td>
</tr>
<tr>
<td>2018</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Upcoming Work at VDOE

Possible Future Enhancements in VVa:
- African-American History course
- Synchronous and asynchronous models
- Credit recovery
- Blended learning
- Professional development
- Expansion to K-5
- Enhanced rate structure to support more student enrollments
- Vetted content and procured resources

Outcomes:
- Guaranteed curriculum in every community
- High quality instructional materials
- Access to certified teachers
This cloud-based platform will provide:

- Equitable Access to Open Resources
- Collaborative Platform to Support Deeper Learning
- Develop High Quality Curriculum Materials
**Virginia Learners Equitable Access Platform (LEAP):** The introduced budget provides state funding to create the Virginia Learner Equitable Access Platform (VA LEAP), a statewide learning management system. This system will serve as a central location or virtual hub where teachers, students, and families have access to a wide variety of instructional tools and resources. The introduced budget provides $7.1 million in FY 2021 and $6.1 million in FY 2022. It will provide:

- Equitable Cost-Effective Access
- Collaborative Teacher Support
- Quality Curriculum Development
- Family Engagement Tools
Connect with Dr. Lane

James.Lane@doe.virginia.gov
Twitter: @DrJamesLane

#VAis4Learners #EdEquityVA
Agenda

• Breakfast
• Welcome, Introductions
• Remarks – Dr. Lane
• Committee Purpose, Role, Term
• Virtual VA Updates
• VVA Program Evaluation
• Break
• REL Cost Feasibility
• MOP Update
• GoOpenVA
• Next Steps
Purpose, Role & Term

• Advisory group: online courses, in-service training and digital instructional resources necessary for school divisions to meet graduation requirements.

• Strategic planning to expand blended and online learning opportunities in Virginia public schools, training, content and digital resources.

• Important role sharing experience, expertise & resources.

• 3-year commitment meeting twice annually.
Virtual VA Updates

- Program Overview
- Update
- Outlook
Dr. Brian Mott
Executive Director

brian.mott@virtualva.org
(866) 650-0025
www.virtualvirginia.org
The Virginia Department of Education’s Virtual Virginia Program (VVA) offers online courses, professional learning opportunities, and digital content to schools, students, and educators across the Commonwealth.
Virginia public school divisions & Virtual Virginia partner together to ensure learners have access and opportunity that complement those available in the physical school.
Public Schools & Virtual Virginia

A history of collaboration & partnership for more than 25 years.
<table>
<thead>
<tr>
<th>Products &amp; Services</th>
<th>Complementary Program</th>
<th>Outreach Program</th>
<th>Professional Learning</th>
<th>Summer Session</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>AP, core, Word Language and elective courses taught by Virginia educators.</td>
<td>blended learning resources available to public school teachers and their students—at no cost.</td>
<td>PL options in blended learning facilitation, OER resources, and online teaching available to public school teachers—at no cost.</td>
<td>core, WL, and elective courses offered in Summer Session 2019, available to all Virginia students.</td>
</tr>
</tbody>
</table>
Regular Enrollment
A school may enroll up to 15 enrollments per course (pending space availability) on a first-come, first-served basis.

Expanded Enrollment
A school has unlimited enrollment beyond the free-enrollment allocation on a per-student, per-course fee schedule.
Complementary Program

VVA courses are instructed by Virginia public educators

VVA courses are developed by Virginia public educators

Instruction is both synchronous and asynchronous

Each student is offered a minimum of 2 live instructional sessions per week
Outreach Program

SOL-aligned content is developed and annually updated by Virginia public educators

Content includes Instructor Guides, fully developed lessons with interactive practice and assessments, and SOL question banks

Local school teachers are enrolled in a statewide PLN for each subject area

Local school teachers may participate in Professional Learning workshops and monthly statewide webinars
Summer Session

Courses are instructed by Virginia public educators

Courses are developed by Virginia public educators

Instruction is both synchronous and asynchronous

Each student is offered a minimum of 2 live instructional sessions per week
Professional Learning

VVA offers PL in online learning best practices, blended learning facilitation, subject-area online tools, and #GoOpenVA

VVA PL offerings are offered at no cost to Virginia public educators

PL offerings are developed by Virginia public educators

Complement to projects and innovations
Let’s Review

**Big Concept**
Virtual Virginia offers online courses, digital content, and professional learning opportunities.

**Partnership**
Virtual Virginia and school divisions work together to ensure learners have opportunity and access.

**Access**
Virtual Virginia is accessible anywhere and at any time.

**Evolution**
As schools and learners change, Virtual Virginia can provide solutions tailored to evolving needs.

**Unlimited**
Expanded Enrollment offers unlimited enrollment in Virtual Virginia courses.

**Summer Session**
51 courses offered in Summer Session 2019.
Virtual Virginia Program Evaluation Overview
The Virginia Joint Legislative Audit and Review Commission (JLARC) recommended that the state:

- Conduct ongoing analysis of student outcomes in online programs compared with place-based schools
- Develop a methodology for estimating costs of fully online programs

This information is of particular policy relevance as the state continues expanding virtual learning opportunities in Virginia.
Three Evaluation Components

- Student Outcomes Study
- Student, Parent, and Staff Surveys
- Cost Methodology
2018-2019 Survey Content and Administration

- Student Survey: Participant experiences and satisfaction ($n = 1,990$)
- Parent Survey: Interactions with course and perceptions of instructional quality ($n = 857$)
- Staff Survey: Implementation experience and satisfaction ($n = 97$ divisions)
Why do students take Virtual Virginia courses?

<table>
<thead>
<tr>
<th>Reason</th>
<th>Students say...</th>
<th>Parents say...</th>
<th>Staff say...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course not offered at school</td>
<td>48%</td>
<td>42%</td>
<td>86%</td>
</tr>
<tr>
<td>To get ahead</td>
<td>44%</td>
<td>47%</td>
<td>--</td>
</tr>
<tr>
<td>Prefer/interest in virtual courses</td>
<td>31%</td>
<td>23%</td>
<td>74%</td>
</tr>
<tr>
<td>Scheduling conflict</td>
<td>24%</td>
<td>27%</td>
<td>--</td>
</tr>
<tr>
<td>To catch up</td>
<td>7%</td>
<td>9%</td>
<td>--</td>
</tr>
<tr>
<td>To raise a previous grade</td>
<td>3%</td>
<td>5%</td>
<td>--</td>
</tr>
</tbody>
</table>
Are students prepared for virtual instruction?

• Nearly 90% of students agreed that they had the skills necessary to be successful in the course

• Staff identified students’ skills with virtual learning and use of technology as the most difficult aspects of implementation
What is the quality of instruction?

• 90% of parents agreed their child was appropriately challenged by the course

• 93% of staff were satisfied with the rigor of course content
Do students feel supported?

- 78% of students agreed that their mentor checked on their progress regularly
- 87% of parents agreed communication with the instructor met their child’s needs
- 89% of staff were satisfied with the support the program offered to students
Would students participate again?

- 84% of students reported interest in taking another online course
- 84% of parents would enroll their child in the program again
- 92% of staff agree that the program creates positive attitudes toward virtual learning
Next Steps

• Release findings from student outcomes study

• Revisit survey content and methods to increase participation for 2020-2021 school year
REL Cost Feasibility

- Introduction to REL Appalachia & virtual learning work with VDOE
- Overview of cost analysis
- Orientation to Cost Feasibility Analysis (CFA) Toolkit
- Potential application for CFA Toolkit
Assessing the costs of online learning programs: The Cost-Feasibility Analysis Toolkit

Jessica Mislevy  Jaunelle Pratt-Williams
SRI International  SRI International
Meet your presenters

Jessica Mislevy, Ph.D., REL Appalachia @ SRI International (REL AP)

Jaunelle Pratt-Williams, Ph.D., REL Appalachia @ SRI International
Introduction to REL Appalachia and our virtual learning work with VDOE
The 10 Regional Educational Laboratories (RELs) work in partnership with stakeholders to conduct applied research and training. The REL mission is to support a more evidence-based education system.

Administered by the U.S. Department of Education, Institute of Education Sciences (IES)
Applied Research

Training, Coaching, and Technical Support

Dissemination

Supporting Your Child in Developing Math Skills For Future Success

Math success opens doors to college and careers. The technical and professional jobs of the future demand more mathematical knowledge, and problem-solving skills.

Families can support children in developing math skills for the future by:

- Helping their child take positive math attitudes.
- Helping their child develop math skills.
- Helping their child understand how math helps in everyday situations.
- Encouraging their child to see math as a subject that is available at work.
- Providing extra help when necessary.

Supporting children in developing math skills will help them succeed in college and in their future careers.

REL AP’s virtual learning support activities

• Providing VDOE with in-depth coaching and consultation to codesign a comprehensive plan to evaluate the implementation, outcomes, and costs of virtual learning programs and initiatives, including Virtual Virginia (VVA) and GoOpenVA.

• Conducting a secondary analysis to compare the academic achievement of students in VVA courses with that of their peers in face-to-face courses.
Goals for the VDOE/REL AP cost analysis collaboration

• Build VDOE staff capacity to conduct cost analyses for online learning programs.
• Develop a cost feasibility methodology that the VDOE can implement.
• Better understand the local resources needed to implement online learning programs like VVA.
Cost feasibility analysis for virtual learning programs
What is a cost analysis?

- A cost analysis is an economic evaluation of resources.
- There are four types of cost analysis.
  1. Cost-feasibility
  2. Cost-effectiveness
  3. Cost-benefit (also referred to as benefit-cost)
  4. Cost-utility
- Each type of analysis uses the same initial approach to assess the resource costs but answers different questions.
- This initial approach entails calculating the cost of resources, which includes personnel, facilities, materials, and any other items necessary for implementation, using the **ingredients method**.
Questions cost analysis can answer

<table>
<thead>
<tr>
<th>Cost analysis type</th>
<th>Cost questions this type of analysis answers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cost-feasibility</td>
<td>Are there adequate resources to implement a new policy or program or scale up an existing one?</td>
</tr>
<tr>
<td>Cost-effectiveness</td>
<td>Which of several policies or programs produce the desired outcome for the lowest cost? or Which maximizes the desired outcome for a given cost?</td>
</tr>
<tr>
<td>Cost-benefit</td>
<td>Are the economic benefits of a policy or program greater than the costs?</td>
</tr>
<tr>
<td>Cost-utility</td>
<td>Is the usefulness of a policy or program valued by stakeholders compared with the costs?</td>
</tr>
</tbody>
</table>
The ingredients method

A detailed list of all the resources needed to initiate and carry out a program or intervention

Let’s use a brownies recipe as an example...

Costing with the ingredients method

• Itemizes resources needed for program replication.
• Makes an effort to understand value of resources regardless of price.
• Is inclusive of all payers (or is explicit about particular purchasers).
• Relies on budgets as one but not the only data source.
• Provides techniques for spreading out cost of investments over the life of the program.
## Stages of a cost-feasibility analysis

|---------------------|-------------------|--------------------------|---------------------------------------|----------------------------------|
| **Key Activities**  | □ Identify resources associated with implementing the online program  
                   □ Enter the list of resources in the CFA estimator  
                   □ Pre-populate any data (quantity, value, or time) in the CFA estimator available via existing sources/documents  
                   □ Identify the study population or sample | □ Schedule and conduct interviews  
                   □ Iteratively update the CFA estimator with data (quantity, value, or time) as new information is learned  
                   □ Conduct additional interviews if needed | □ Use the CFA estimator to calculate the estimated costs of the resources required for online program implementation  
                   □ Adjust cost assumptions to explore costs under different implementation scenarios  
                   □ Conduct additional interviews, if needed | □ Determine the feasibility of online program based on scenarios  
                   □ Seek additional resources, adjust the implementation model, or explore other program alternatives if costs exceed available resources |
| **Estimated Time**   | 2 to 6 weeks       | 4 to 12 weeks            | 2 to 8 weeks                          | 1 to 4 weeks                     |
| **Corresponding CFA Toolkit Resources** | • User’s Guide  
• Resource List | • User’s Guide  
• Interview Protocols  
• CFA Estimator | • User’s Guide  
• CFA Estimator | • User’s Guide |
Orientation to the Cost Feasibility Analysis (Virginia CFA) Toolkit
Virginia CFA Toolkit

Components

• The Virginia CFA toolkit has four main components:
  o **User’s guide**: detailed guide on how to use each component of the Virginia CFA toolkit.
  o **Resource list**: detailed list of the potential resources needed to implement an online learning program and to maintain it annually.
  o **Interview protocols**: guides for conversations with school division staff.
  o **CFA estimator**: data-collection tool designed using Microsoft Excel.

• Each component of the Virginia CFA toolkit helps facilitate one or more stages of a cost-feasibility analysis.
User’s guide

- Detailed guide on how to use each component of the Virginia CFA toolkit.
Resource list

- Detailed list of the potential resources needed to implement an online learning program and to maintain it annually.
Interview protocols

• Guides for conversations with selected school division staff to understand time and resources required to implement a program.
CFA estimator

- Microsoft Excel data-collection tool designed to estimate the cost of resources to implement and maintain an online learning program.
Virginia CFA Toolkit’s user-friendly design

All analysis documents are in Microsoft Office formats (MS Word or MS Excel) to:
- Promote ease of sharing with leaders and educators in Virginia.
- Allow for changes and modifications to the format or to the content.

The User’s Guide:
- Uses language that is approachable for a range of audiences, with clear explanations of technical elements.
- Allows users to navigate to the sections they need via page jump links.

The goal is to enable a broad range of users to conduct the cost-feasibility, even those who are not familiar with cost analysis.
Potential applications for the Virginia CFA Toolkit

VDOE and Virginia schools/school divisions could use the toolkit to:

- Assess the costs and cost feasibility of **supplemental online programs**, such as VVA or Multidivision Online Provider Programs (MOPs)...
- Assess the costs and cost feasibility of **other types of virtual learning programs**, such as fully-online schools...
- Assess the costs and cost feasibility of **other types of programs beyond virtual learning**...

- As is/with little modification.
- With some modification.
- With further modification.
Why a MOP Program?

- As specified in § 22.1-212.24.A & B, the Superintendent of Public Instruction will develop, and the Board of Education will approve, the criteria for approving multidivision online providers, including those specified in these sections.
What is a MOP?

• A Multidivision Online Provider (MOP) is a local school board or a private or nonprofit organization that provides online courses or programs to students in multiple public school divisions in Virginia.
MOP Application Criteria

- Curriculum
- Instructors
- Organization
- Platform
Annual MOP Processes

- Application
- Appeal
- Publish
- Monitor
Current MOP Information

- 19 active MOPs
- 146 courses submitted
- 51 SOL, 28 CTE, & 67 electives
- 118 approved, 28 in approval process
Automation & Streamlining Efforts

- Updated and simplified MOP related websites and documents
- Created spreadsheet templates for course submissions
- Incorporated phone interview questions into the annual Monitoring report
- Streamlined and automated renewal process
MOP Renewal

• Automation
• Questionnaire & Monitoring Report
• 12 MOPs renewed
• Courses
• Alignment with SOL, new competencies
• 3-year cycle
#GoOpenVA: An Introduction

Jean Weller
Virginia Department of Education
2/27/2020
VLAC

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#GoOpenVA

A **cloud-based platform** built exclusively for Virginia educators allows for **creation**, **distribution** and **collaboration** of OER (openly-licensed education resources).

- Digital resources for deeper learning
- Equitable distribution
- Collaborative community
What are OER?

- Free
- Generally digital (much can be printed locally, as needed)
- Copyright licensing is key
  - Provides permissions upfront
  - Removes burden from teachers
  - Encourages sharing and remixing
Not just a repository

**GoOpenVA** is a repository of openly-licensed educational resources

BUT

it is also a community of people who create, curate, and share.

**THIS is its most important role in supporting equity, deeper learning, and student-focused education**
Designed for Teachers

**Digital Resources**
- Address components of deeper learning
- Support personalized learning
- Search engine uses several fields to help teachers find the most helpful resources, including drop-down menus for Virginia SOL

**Community**
- Multiple ways to participate based on YOUR passions and needs
- Openly-licensed materials lead to creative remixing
- Open Author is built-in; easy tool for creation, with lots of help and support
- Communication tools for collaborating
Deeper Learning Support

• Virginia is for Learners: focus on K-12 education is to ensure that every student is ready to succeed when they graduate

• 5 C’s
  — Critical thinking
  — Creative thinking
  — Collaboration
  — Communication
  — Citizenship

• Support for teachers implementing personalized learning
  — materials that fit the needs of many different students at different times and in different ways
  — flexibility that is not available with most traditional classroom materials
#GoOpenVA and OER

• #GoOpenVA is one component of a coordinated system for providing digital learning materials and opportunities for Virginia’s students.

• #GoOpenVA role is to provide the creative space where educators in all areas of the state can share and develop resources.
How do resources get to #GoOpenVA?

• Initial and continued sharing from other repositories
• Teachers and Educator teams adding original resources they have created or remixed
• Teachers and Educator teams adding curated resources links from around the Web

WE’RE JUST GETTING STARTED!
Who vettes the resources? Everyone!

• Levels of initial vetting
  ✓ School Divisions
  ✓ Educator teams
  ✓ Individuals

• Guidelines and other tools help creators and curators to self-evaluate

• #GoOpenVA includes star rating system, evaluation rubrics, and areas to add comments
Welcome to #GoOpenVA where teachers are empowered to support personalized learning for all their students by creating, using and sharing openly-licensed digital resources.
#GoOpenVA Contact Information

jean.weller@doe.virginia.gov

Twitter: @VDOE_News
Facebook: @VDOENews
#VAis4Learners #EdEquityVA
Summary

• Questions
• Discussion
• Establish next meeting date
Thank you for your work on this advisory committee
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