

# *Virtual Learning Positioning for the Future*



Virginia Education Finance Committee

June 7, 2011

College of William & Mary, School of Education

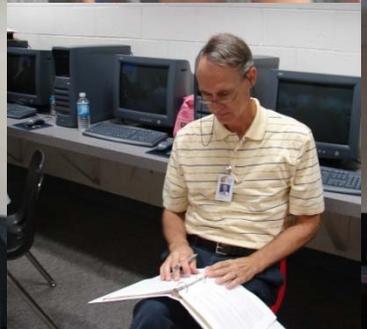
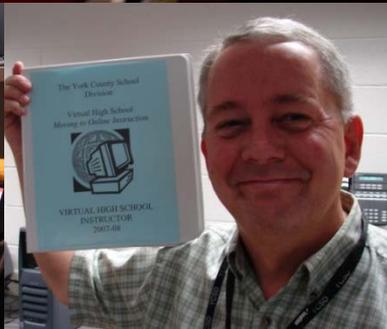
*Reginald A. Fox, Coordinator of Online Learning*

*York County School Division*



virtual  
LEARNING  
PROGRAM

VHS

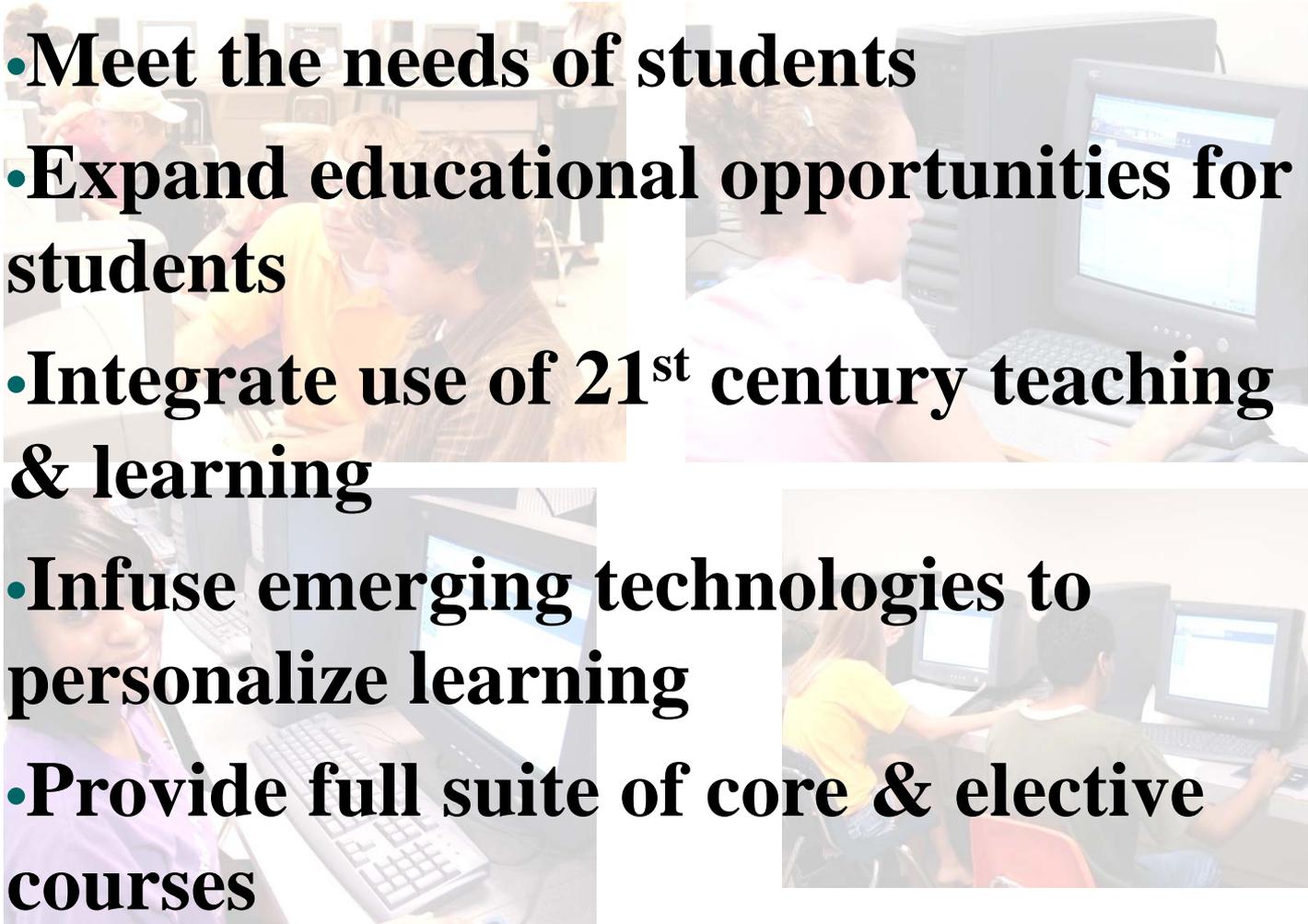


# York County School Division

## Virtual Learning Program

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- Meet the needs of students
- Expand educational opportunities for students
- Integrate use of 21<sup>st</sup> century teaching & learning
- Infuse emerging technologies to personalize learning
- Provide full suite of core & elective courses

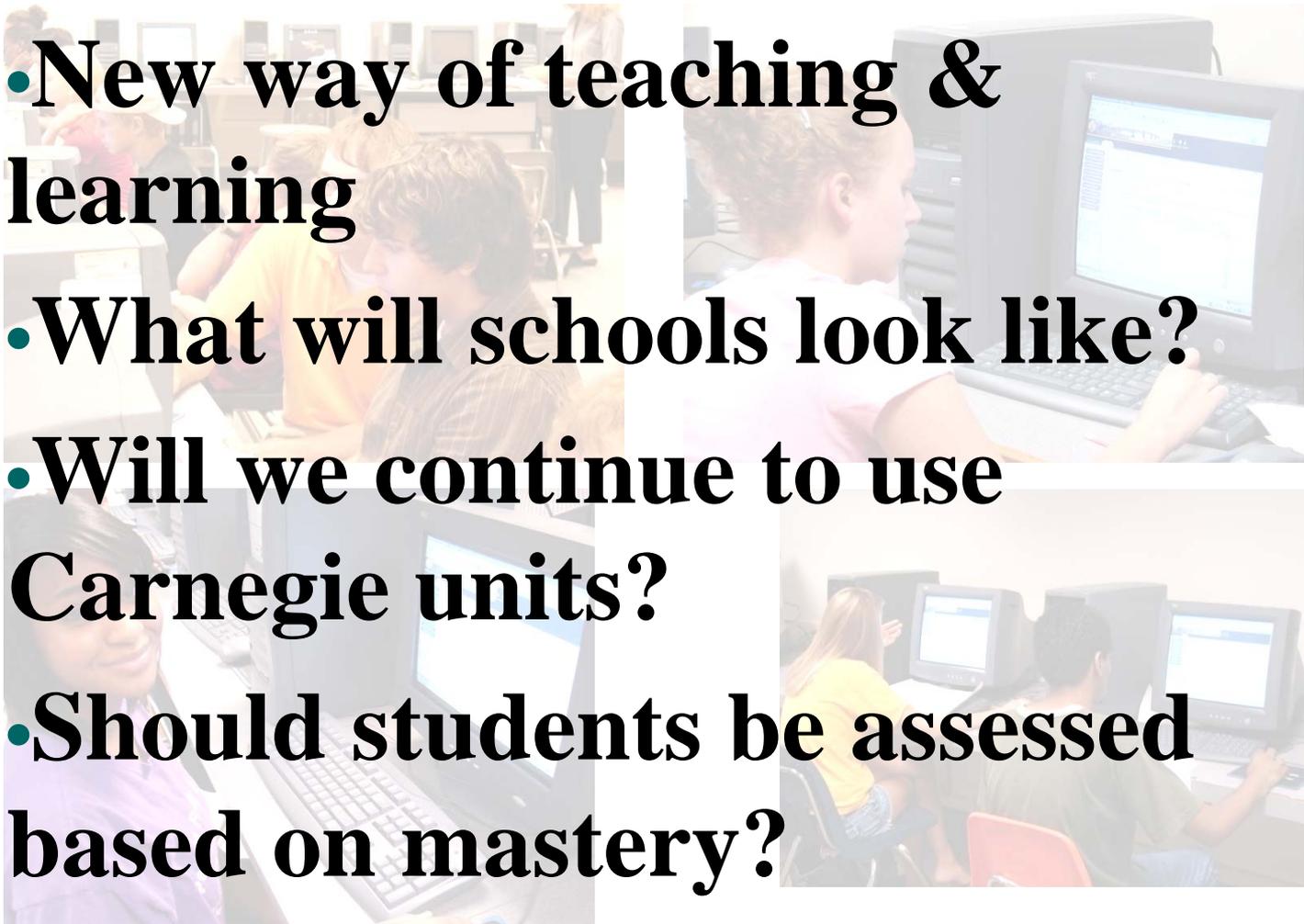


# Considerations for the Future

Switch: How to change things when change is hard

*Chip Heath & Dan Heath*

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- **New way of teaching & learning**
  - **What will schools look like?**
  - **Will we continue to use Carnegie units?**
  - **Should students be assessed based on mastery?**
- 

# **Virtual Learning Models**

*asynchronous - synchronous*

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## **Blended Learning**

**Virtual component of face-2-face classrooms**

## **Virtual Class – During School**

**Students in a computer lab with Mentor/Facilitator  
assigned during a class block**

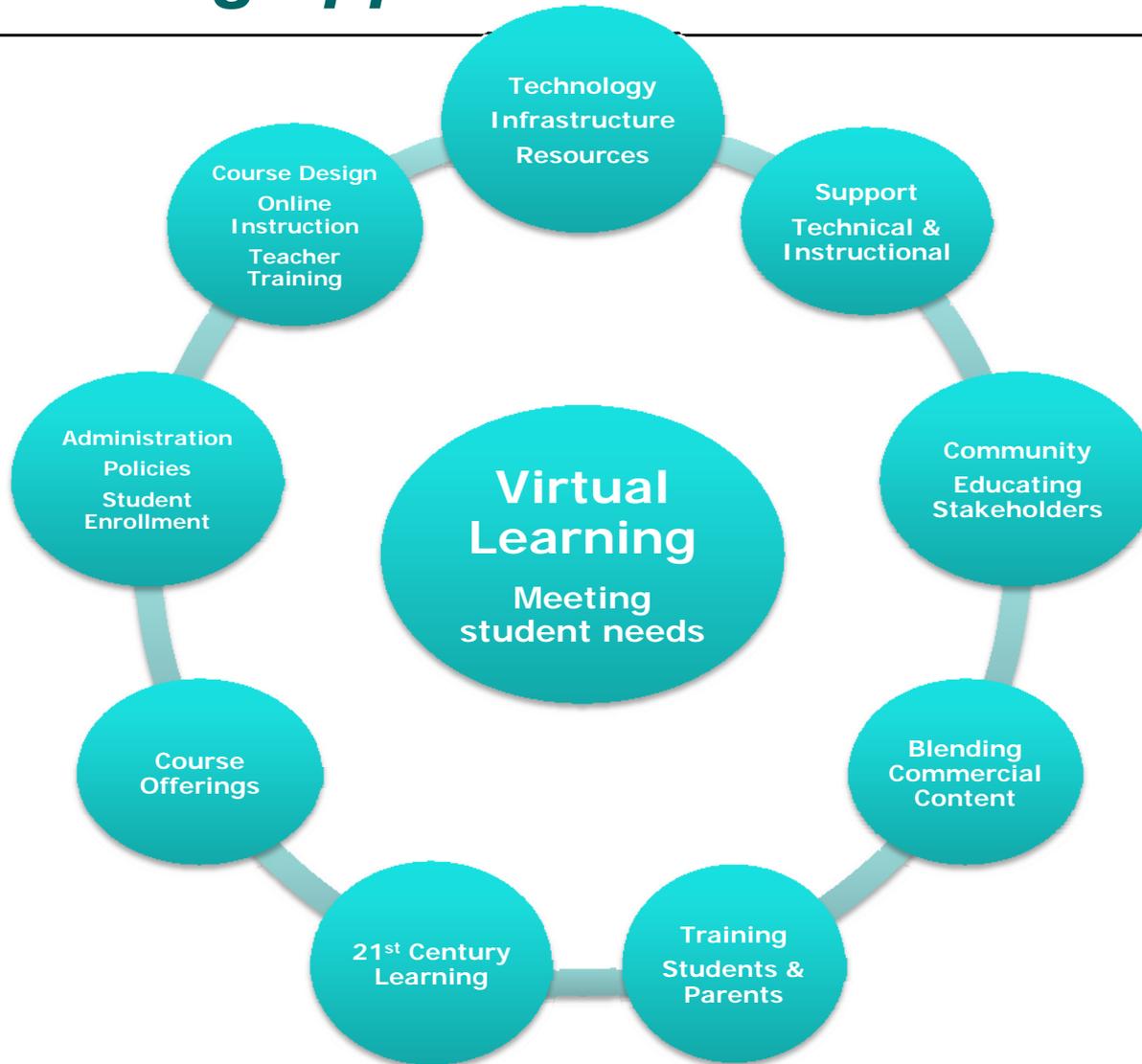
## **Virtual Class 100%**

**Students take virtual class in addition to school day schedule  
Virtual Teacher**

# Virtual Learning

*Creating opportunities for the future*

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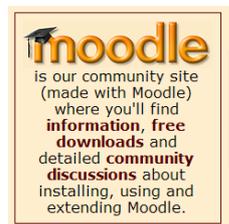


# Development of Internal Capacity

- Local autonomy – Administration & Staff
- Teacher collaboration
- Course Design - one-time cost
- Provide parameters
- Courses aligned with VA SOL
- Use textbook & online resources
- Licensing & copyright
- Build capacity to partner
- Total cost & benefits

Time

Annual costs



**moodle**  
is our community site (made with Moodle) where you'll find information, free downloads and detailed community discussions about installing, using and extending Moodle.



**Bb**  
Blackboard Platforms Markets Partnerships Services  
**BBWORLD 2011**



**Desire2Learn**  
Innovative Learning Technology Platforms Service  
“ Learning has greatly improved in the st leveled the learning field for all  
Client Testimonial Video Webinars



**Lectora Inspire**  
Introducing Lectora Inspire  
Including Flippaper for Lectora  
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• Choose from dozens of Flash templates or create from scratch  
• Develop engaging touch-screen experiences with new multi-touch capabilities  
More



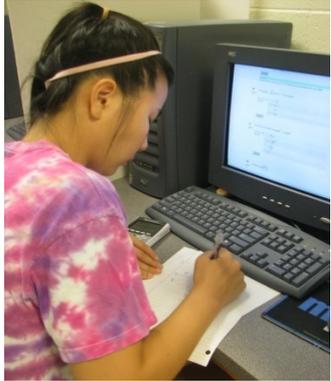
From the **e-Learning Blog**  
Exclusive Live Streaming at the 2011 Lectora User Conference  
Supporting Learning or Total Learning Environments  
What Should e-Learning Developers Focus On: Evaluation or Education?  
Winner of the Lectora LUNCH Photo Contest Announced  
More  
Subscribe via Email  
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FOLLOW US 



**sharepoint** LMS  
Home



**ADOBE eLEARNING SUITE 2**  
Adobe Captivate 5 Adobe eLearning Suite 2



- **Credit – accelerating, credit recovery, missing credits, AP courses**
- **Low class enrollment**
- **Students transfer into schools (4x4 or block schedule)**
- **Scheduling conflicts**
- **Seniors**
- **Homebound**
- **Disciplinary action**
- **Special education**
- **Dual Enrollment**
- **Administrative – unique circumstances**
- **Exceptionally gifted/talented students**
- **Summer school**
- **Make-up days, snow days**
- **Emergency, crisis plans**



# Committed Virtual Staff



Course Design  
Online  
Instruction  
Teacher  
Training



# Developing Your Capacity Teacher Training

Course Design  
Online Instruction  
Teacher Training

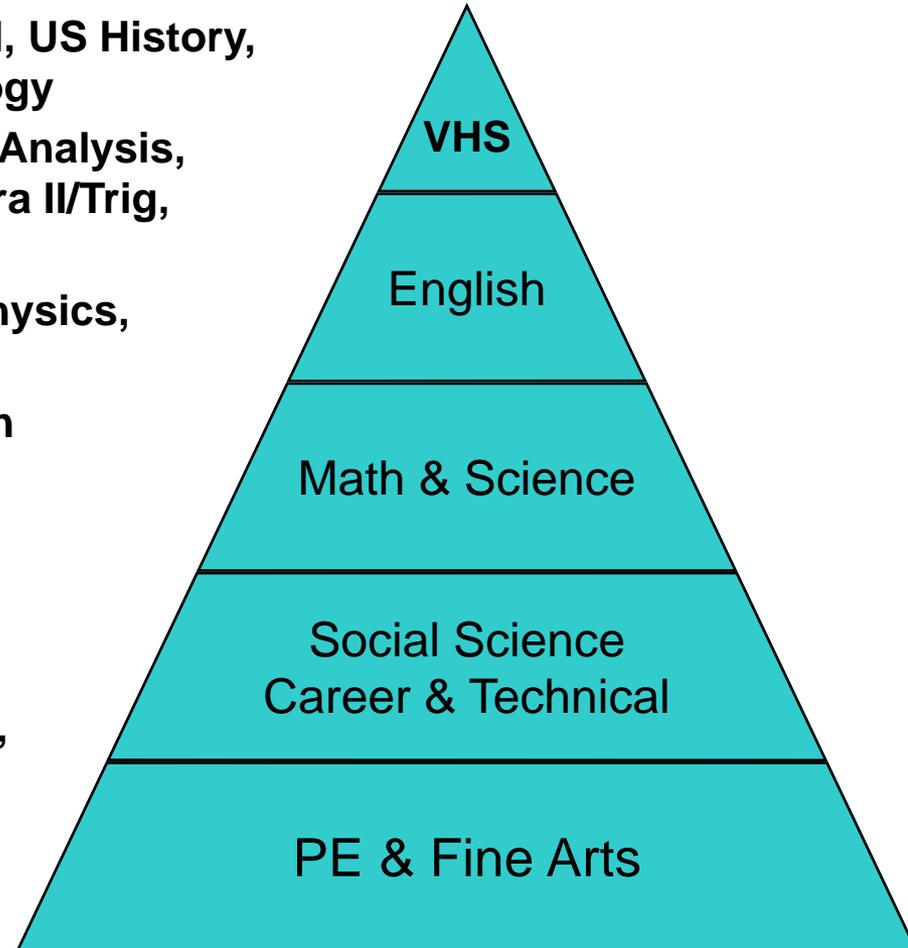
- Decide courses developed & offered
- Solicit teachers to develop & teach online
- Require endorsement – content area
- Demonstrate skill, interest, high tech use
- Provide online pedagogy
- Allow time for practice
- Build a cadre

Course Offerings



# Virtual High School Courses

- English 9, 10, 11, 12 & Advanced sections
- World Geography, World History I & II, US History, US Government, Psychology, Sociology
- Algebra I, Geometry, Algebra II, Math Analysis, Computer Math, Trigonometry, Algebra II/Trig, Algebra, Functions & Data Analysis
- Earth Science, Biology, Chemistry, Physics, Environmental Science
- Health PE 9, PE 10 & Driver Education
- Spanish I, II, & III / French I & II
- Art Heritage
- Survey of World Drama
- Computer Information Systems I & II
- Business Law, Management, Finance, Economics & Personal Finance
- Marketing I & II, CO-OP
- Nutrition & Life Planning
- Game Design I & II / Web Design I & II



# Instructional & Technical Elements

- Learning Management System (LMS) User Interface
- Content Design & Delivery / Multimedia & Document Submission
- Communication Features
- Video conferencing - *Elluminate*
- Training & Technical Support

**moodle**  
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**Desire2Learn**  
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leveled the learning field for all

Client Testimonial Video Webinars



ADOBE eLEARNING SUITE 2

Adobe Captivate 5

Adobe eLearning Suite 2



# Student Training

## People

 Participants

## Activities

-  Assignments
-  Dialogues
-  Forums
-  Quizzes
-  Resources

## Administration

-  Turn editing on
-  Settings
-  Assign roles
-  Grades
-  Groups
-  Backup
-  Restore
-  Import
-  Reset
-  Reports
-  Questions
-  Files
-  Profile

## Topic outline

### STUDENT ORIENTATION

In Session

virtual high school

### Welcome to the York County School Division Virtual High School Student Orientation Course!

You will learn more about the important components that will help make you a successful online student. There are links that direct you to various resources and activities. Simply follow the instructions in each block as you navigate through the course. To get started click on the **What is Moodle?** link in the Overview section.

 [Announcements](#)

When you get home, please use this link in order to: [Get Your Computer Ready for Elluminate](#)

**All VHS 2009-2010 students are asked to take the survey below. Your feedback is valuable for us to continue to evaluate and improve our programs. Please click on the link below, respond to the questions, and submit your answers when you are finished.**

## Latest news

[Add a new topic...](#)  
(No news has been posted yet)

## Upcoming Events

There are no upcoming events

[Go to calendar...](#)  
[New Event...](#)

## Calendar

◀ May 2011 ▶

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

## Events Key

-  Global
-  Course
-  Group
-  User

# Student Training & Participation

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- **Qualities of an Online Student**
- **Navigating the system**
- **Course expectations**
- **Technical support**
- **Communication**
- **Online “etiquette”**
- **Document submission**
- **Assessment**
- **Grading**

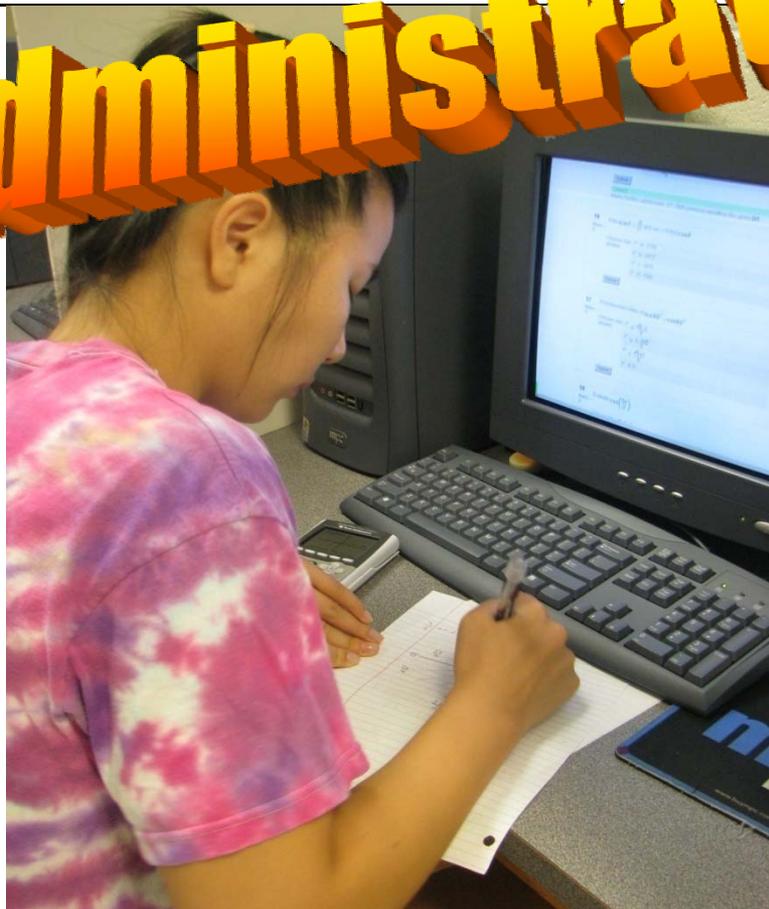
Training  
Students &  
Parents

Support  
Technical &  
Instructional



Administration  
Policies  
Student  
Enrollment

# Administration



# Policies & Procedures

Administration  
Policies

- Program & course expectations
- Course testing, SOL testing, AP testing
- Proctoring
- Grading, reporting student progress
- Discipline in a virtual environment
- Communication – school, virtual staff, students & parents
- Virtual Teacher Handbook
- Student Handbook
- Monitor & evaluate



# Virtual Course Samples



3

## Writing the Literary Analysis Essay Unit

*In this unit, you will learn how to plan and write a five-paragraph essay where you analyze a work of fiction.*

-  [Literary Analysis Essay Unit SOL's and Objectives](#)
-  [Writing the Literary Analysis Essay Unit Organizers](#)

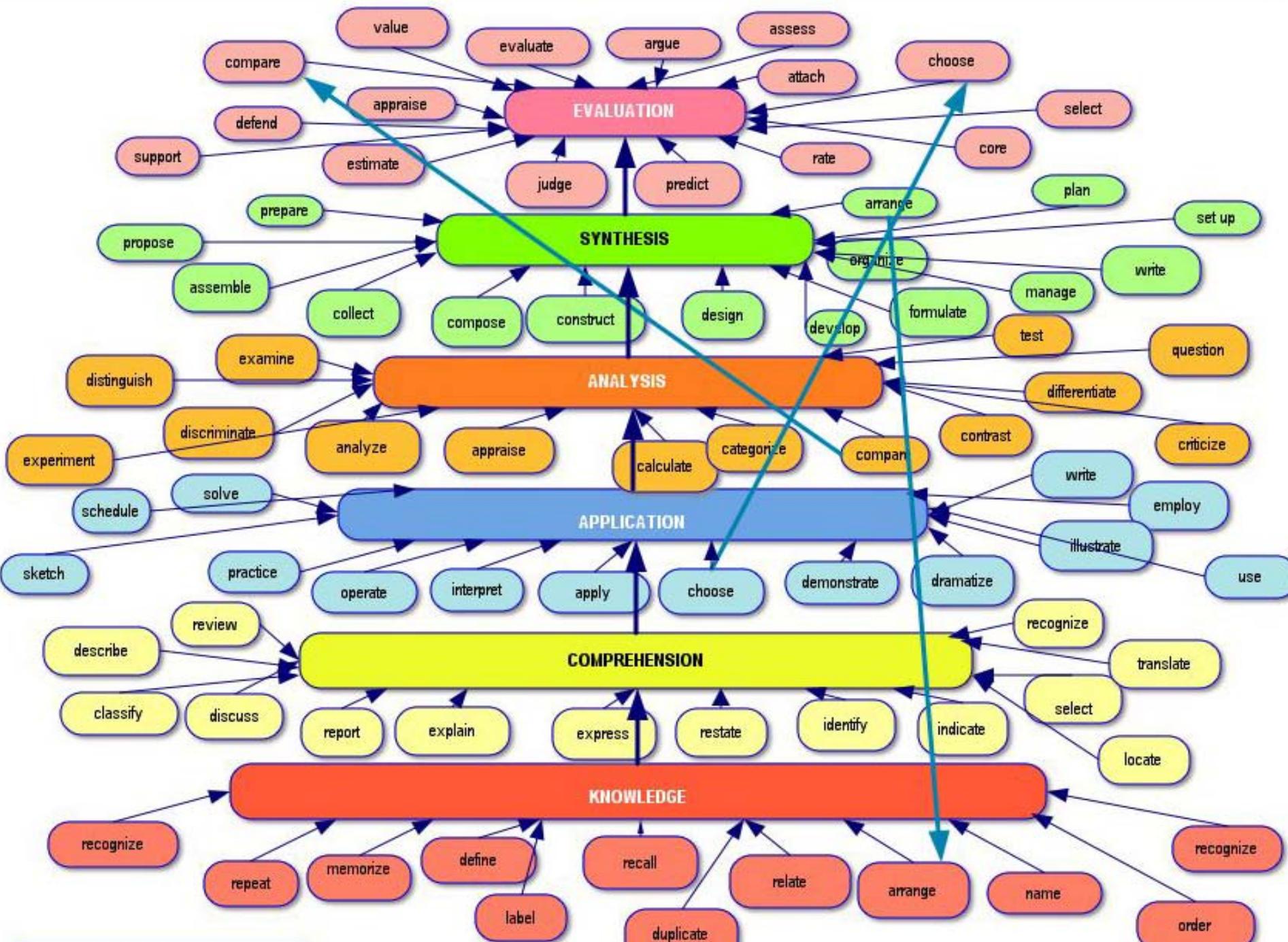
-  [How to Write a Literary Analysis Essay](#)
-  [How to Plan an Essay](#)
-  [Narrated Presentation on How to Use a Graphic Organizer](#)
-  [Example of a Correctly Completed Graphic Organizer](#)

### Essay Planning Practice Assignments

-  [Practice Essay Plan -- Graphic Organizer](#)
  -  [Essay Planning Graphic Organizer Template](#)
-  [Writing Topic Sentences](#)
-  [Practice Essay Plan -- Text Version](#)

### Essay Writing Project Assignment

-  [Writing Project Assignment](#)
-  [Writing Project Grade Two \(Instructor Use Only\)](#)
-  [Deadly Sins of Essay Writing](#)



# Virtual Course Samples

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## 3 The Interconnected World

Age of Exploration

World Empires

Scientific Revolution

 [Galileo Political Cartoon Analysis](#)

 [Who might have said it?](#)

 [Eastern Civilizations Graphic Organizer](#)

 [Columbian Exchange](#)

 [Columbian Exchange \(Answer Key\)](#)

 [Hakluyt on Factors Contributing to Exploration](#)

 [Exploration: Contributing Factors \(Hook\)](#)

 [Exploration RAFT Assignment](#)

## 4 Foundations of Revolution

Absolutism vs Constitutionalism

The Enlightenment

 [Comparing the English Bill of Rights to the American Bill of Rights](#)

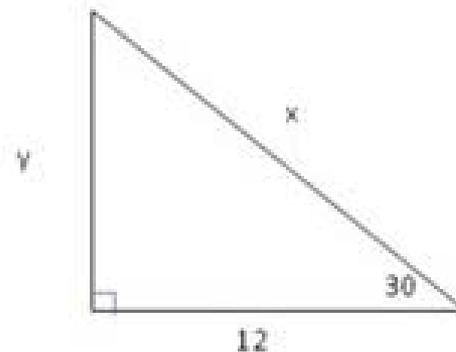
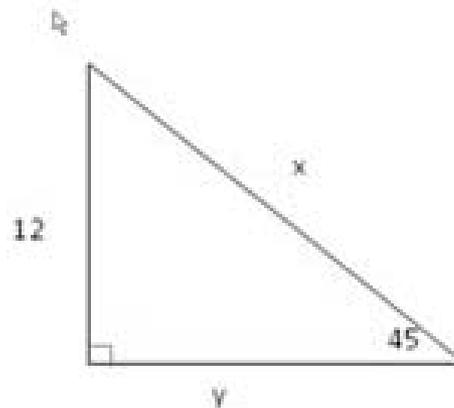
 [Enlightenment Thinkers Chart](#)

 [English Constitutionalism \(Timeline Sort\)](#)

 [English Constitutionalism \(Timeline Sort Chart\)](#)

# Synchronous Learning with Math

Find the values of  $x$  and  $y$



# Video Conferencing with Physics

Video - Multiple Cameras



Preview

Transmit

Send to This Room

Audio - Multiple Talkers



Talk

Whiteboard - Main Room (Scaled 97%)

Slide 5



# Blending Commercial Content



SMARTSCIENCE

VADETS

Aventura

APEX

## Virginia Driver Education and Traffic Safety

You are not logged in. (Logout)

VADETS > Login to the site

### To Enroll in the Course

If you live in the county of Arlington, Fairfax, Loudoun or Prince William OR the city of Alexandria, Fairfax, Falls Church, Manassas or Manassas Park, click below.

[District 8 Resident Information](#)

Click on the Account Registration button and complete your online registration. You must also mail or fax the permission form included in the registration process.

[Account Registration](#)

[Payment Information](#)

### Already Registered?

Login here using your username and password: (Cookies must be enabled in your browser) ?

**Welcome to the VADETS Online Driver Education Course!** We look forward to contributing to your driving success and keeping you collision free! Experienced Virginia driver education teachers designed this course and welcome any suggestions you may have to improve this learning experience.

During this course, you will have the opportunity to explore a variety of driving situations and learn how to minimize driving risks by effectively managing visibility, time, space, and available tire traction.

As you know, driving is an essential life skill; and you, as a good driver, can contribute positively to the driving world. This course allows you to work at your own pace to gain a solid understanding of the essential traffic safety concepts. The only thing standing between you and success is effort.

At the end of each topic, there is a quiz to check your level of understanding, and a test at the end of the module to see if you have the proficiency to move on to the next module. On the test, you must answer at least 85% of the questions correctly before proceeding to the next module. You must also score at least an 85 on the final exam.

To assist in your studies, there is a student workbook. The workbook should be completed online as you study each topic. Save the workbook to your desktop each time you work on it. At the end of each module, there will be a command on your course menu to upload the workbook. **This workbook is a course requirement and must be completed.**

A Virginia driver education teacher will review your work and answer any questions or help clear up any concepts you do not understand. You may communicate with your teacher through the message center.

If you have any questions or require help during your course studies, use the **"Contact your teacher"** option provided in your

## Algebra I Semester 1



UNIT 1 > LESSON 1 > ACTIVITY 1: Integers and Operations

search

- 1: Review of Introductory Algebra
- 1.1: Integers and Operations
- 1.1.1: Study: Integers and Operations
- 1.1.2: Checkup: Practice Problems
- 1.1.3: Quiz: Properties of Operations
- 1.1.4: Quiz: Order of Operations
- 1.2: Fractions and Decimals
- 1.3: Exponents
- 1.4: Variables and Problem Solving
- 1.5: Solving with Addition and Subtraction
- 1.6: Solving with Multiplication and Division
- 1.7: Solving with Roots and Powers
- 1.8: Solving Multistep Linear Equations
- 1.9: Wrap-Up
- 1.10: Diagnostic
- 2: Measurement
- 3: What is a Function?
- Appendix A: Student Resources
- Appendix B: Additional Activities

### Integers and Operations

Every subject has its own language. To work in that field of knowledge requires first learning the language.

For example, lawyers have to learn the legal code of the area where they practice. Poets and authors have to learn the intricacies of the language in which they write.

Mathematicians and scientists are no different. They must learn the language of numbers, operations, and measurements.

Watch the animation below to find out more about the language of mathematics.

#### Can You Speak Science?

AUDIO



click for your study sheet



click for transcript



What is K12? Who We Help Courses Schools & Programs Take a Peek Enroll or Buy

K12 for: STUDENTS PARENTS TEACHERS ADMINISTRATORS

**Online Public Schools** High performance, individualized, and tuition-free: online public schools provide powerful choices for parents across the U.S.

**Online Private Schools** World-wide, world class education through the K12 International Academy and several online private school partners

**Individual Courses for Sale** Choose from 210+ award-winning courses, for grades K – 12: including AP, world languages, credit recovery, and electives

**World Language Courses** Designed specifically for kids and teens, award-winning powerspeakK12 world language courses deliver natural language learning through innovative, engaging, and proven methods

# **A Multidivision Online Provider** *a Partner in Virtual Learning*

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- **Proven track record with providing high quality courses**
- **Certified teachers**
- **Registration & enrollment**
- **Training & support**
- **High successful course pass and SOL pass rates**
- **Cost effective partnership**





**WE MUST BE THE CHANGE**

... we wish to see in the world. ~Ghandi