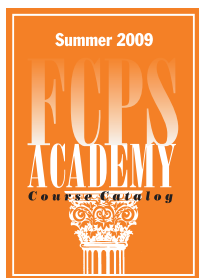


Instructional Technology Courses



All technology courses are designated with one of three skill levels:

BASIC--entry-level courses that require none or minimal prerequisites; e.g., *Technology in Education: Operation and Integration*.

INT--more in-depth intermediate courses that work with selected software; e.g., *Photoshop Fundamentals*.

ADV--courses that require a higher degree of skill than either the basic or intermediate courses. Advanced courses cover specific topics that go beyond information considered *general information*; e.g., *Computer Systems Maintenance and Troubleshooting: Advanced*.

The International Society for Technology in Education has developed National Educational Technology Standards for Teachers (NETS*T), which outline technology integration standards that teachers entering the profession are expected to demonstrate. Fairfax County Public Schools uses the ISTE NETS*T when developing technology integration courses to ensure teachers can access a variety of courses that meet all six standards.

The standards focus on the following areas:

- Technology Operations and Concepts
- Planning and Designing Learning Environments and Experiences
- Teaching, Learning, and the Curriculum
- Assessment and Evaluation
- Productivity and Professional Practice
- Social, Ethical, Legal, and Human Issues

More information on the standards can be found at <http://cnets.iste.org>

AC-2801

Building Lessons for the mimio Interactive Whiteboard

E M H

1 academy credit | 30 points

This course explores the instructional uses of mimio Interactive and mimio Studio software. Participants become proficient in the use of mimio Interactive to facilitate learning in the classroom. Participants learn how to create an original lesson, adapt existing lessons, and develop lessons using mimio Interactive with other software, such as PowerPoint or Internet Explorer. Students also learn the basic technical aspects of its use.

Note: Participants should bring their laptops for the course.

Section	Location Room	Dates Time Instructor
42711	Lake Braddock SS Rm L130	Wed, Sept 23-Oct 21 4:30-7:30 pm Brewer
42712	Chesterbrook ES Rm 209	Thur, Oct 1-Jan 14 4:30-7:30 pm Kohls

AC-1156

Building Lessons for the SmartBoard Interactive Whiteboard

E M H INT ★

1 academy credit | 30 points
Validates Integration Technology Standards

This course explores the instructional uses of the SmartBoard Interactive Whiteboard. Participants become proficient in the use of a SmartBoard Interactive Whiteboard to develop instruction for the classroom. By the end of this course, participants learn to develop a lesson from external software, such as Inspiration or Excel, adapt a pre-made lesson template in Smart Notebook software to use with SmartBoard, and create an original lesson template. Participants also learn the basic technical aspects of its use (setting up, orienting, and shutting down). Successful completion validates competency in the instructional technology integration skill area (standards 5-8).

Note: Participants need to bring their laptops to class. Be sure that Smart software version 9 is installed.

Section	Location Room	Dates Time Instructor
42713	Lynbrook ES Rm 205	Mon, Oct 5, 19 Wed, Oct 7, 14, 21 4:45-7:45 pm Carmichael
42714	Bonnie Brae ES Library	Wed, Sept 30-Oct 28 4:30-7:30 pm Batty

continued ...

Instructional Technology Courses

Building Lessons for the SmartBoard Interactive Whiteboard, continued

42715	Quander Road ES Rm 140	Thur, Oct 1-29 4:30-7:30 pm Guillen
42716	Liberty MS Rm C213	Thur, Oct 1-29 4:30-7:30 pm Kim
42717	Centre Ridge ES Library	Wed, Oct 21-Nov 18 4:30-7:30 pm McDonald & Wilson
42718	Island Creek ES Rm 107	Wed, Sept 30-Oct 28 4:30-7:30 pm Moran
42719	Lee HS Rm 173	Mon, Sept 21, 28; Oct 5, 19, 26 4:30-7:30 pm Muskett
42720	Lorton Station ES Rm 103	Wed, Oct 7-Nov 4 4:30-7:30 pm Wightman

AC-11018

eCART Fundamentals

E M H 

1 academy credit | 30 points

FCPS eCART is a tool that provides teachers web-based access to FCPS-approved curriculum, assessments, tools, and resources that support K-12 teaching and learning. During this course, participants explore the instructional philosophy behind the eCART tool and use it to support the instructional cycle.

Note: Participants should be enrolled as an instructor in ASPIRE with access to students so that they may deploy assessments and view reports.

Section	Location Room	Dates Time Instructor
42746	Liberty MS Rm A116	Wed, Sept 30-Oct 28 4:30-7:30 pm Currie
42747	Marshall HS Rm 102	Mon, Sept 21; Oct 5, 19; Nov 2, 16 4:30-7:30 pm Sponheimer

AC-1175

FCPS 24-7 Learning

E M H  **INT**

1 academy credit | 30 points
Supports Operational Technology Standards

FCPS 24-7 Learning is an online resource that allows users to extend learning beyond the traditional school day and classroom walls. Participants in this course begin creating online learning activities and posting initial materials on their own FCPS 24-7 learning sites. At the end of this course each participant has a FCPS 24-7 learning site to use with students. This course supports ISTE NETS* T I, III, V.

Note: Participants must have familiarity with computers in an online environment to successfully use this web-based course management product.

Prerequisite: Participants must have an FCPS 24-7 Learning user account prior to the first class. Contact your School-based Instructional Technology Specialist for an account. Administrative center staff members can check their account status by calling the ITFASTeam at 703-503-1600.

Section	Location Room	Dates Time Instructor
42751	Kings Park ES Computer Lab	Tues, Oct 6-Nov 3 4:30-7:30 pm Crabbe & Crabill
42752	EagleView ES Computer Lab	Wed, Oct 7-Nov 4 4:30-7:30 pm Stanczak

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H = High  = Tech Standards

Instructional Technology Courses

AC-11029

How to Write Multiple Choice Items for eCART

E M H  ★

1 academy credit | 30 points

One of the advanced features of the ASPIRE test player in eCART allows teachers to input their own questions. This course introduces teachers to the fundamentals of developing effective multiple choice items, as well as gives teachers time to practice putting items into ASPIRE.

Note: *Test Better, Teach Better: The Instructional Role of Assessment* by James W. Popham is the text for this class. ISBN: 0-87120-667-6. ASCD member price is \$19.95, nonmember price is \$24.95.

Section	Location Room	Dates Time Instructor
42784	Leis Ctr West Lab	Tues, Oct 20; Nov 3, 17; Dec 1, 15 4:30-7:30 pm Brinlee

AC-348

Microsoft Office: Making Neat Stuff

E M H  INT ★

1 academy credit | 30 points

Supports Operational Technology Standards

This course is designed to allow teachers to experience additional classroom applications of the software included in MS Office. Participants make calendars, classroom fliers, banners, bookmarks, Venn diagrams, brochures, greeting cards, certificates, and mail-merged labels. They use button master and other items that can be used to enhance classroom projects. In addition, the use of PowerPoint as a student portfolio tool is reviewed. Participants are required to produce a lesson plan demonstrating the integration of one or more components of MS Office. Successful completion validates competency in the instructional technology integration skill area (standards 5-8). This course supports ISTE NETS* T I, III, V.

Note: Participants must bring laptops to class. Participants must be able to store large files. Possible solutions include school server space or USB Flash drive.

Section	Location Room	Dates Time Instructor
42799	Daniels Run ES Rm 239	Tues, Oct 6-Nov 3 4:30-7:30 pm Berson
42800	Oakton HS Library	Wed, Sept 23-Oct 21 4:30-7:30 pm Bradshaw

AC-1764

Online Teaching

E M H  INT

2 academy credits | 60 points

Validates Integration Technology Standards

This course prepares teachers to teach lessons online for the FCPS Online Campus. Participants learn strategies for successfully teaching online and have the opportunity to experience a course from the student's perspective. This allows participants to understand the excitement and challenges that come with a new learning environment. Participants are required to complete readings, research assignments, and discussion postings. Scheduled online lessons and discussions take place on selected Thursdays during the course. Additional topics cover creating and editing online materials, investigating the use of video and audio clips, and understanding copyright and intellectual property laws. Online access at home and at work is necessary. Successful completion validates competency in the instructional technology integration skill area (standards 5-8).

Note: Participants are required to attend all face-to-face sessions. A textbook is required for this course. Please visit <http://www.fcps.edu/DIS/OITS/techtraining/info/bookinfo.html>.

Prerequisite: Successful completion of instructional technology competencies and a basic understanding of using FCPS 24-7 Learning.

Section	Location Room	Dates Time Instructor
42805	Annandale HS Rm 18	Thur, Sept 24; Oct 22; Dec 3 (face-to-face) Oct 1, 8, 15, 29; Nov 5, 12, 19 (online) 4:30-7:30 pm Bartelt

Timely Course Drops Allow Someone Else to Take Your Place

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This allows someone on the wait list to take your place.

Instructional Technology Courses

AC-393

Using United Streaming in the Classroom

E M H ★  INT

1 academy credit | 30 points
Validates Integration Technology Standards

United Streaming is an online resource that allows teachers to pull short video clips into their instructional program. Participants in this course create learning activities for whole-class instruction, computer centers, take-home activities and use them as tools to support curriculum instruction. This course also provides participants an opportunity to explore and design projects using the United Streaming web site resource. At the end of this course, participants have several activities that can be used in a variety of ways to enrich, enhance, and engage students in all areas of learning. Successful completion validates competency in the instructional technology integration skill area (standards 5-8).

Prerequisite: Participants should be familiar with PowerPoint and FCPS 24-7 Learning. Participants also need a USB flash drive or CDRs to burn videos and projects.

Section	Location Room	Dates Time Instructor
42837	Annandale Terrace ES Library	Mon, Sept 21, 28; Oct 5 Wed, Sept 23, 30 4:30-7:30 pm Smith
42838	Groveton ES Rm 268	Thur, Oct 1-29 4:30-7:30 pm Alexander & Fisher

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Instructional Technology Courses

North TIER Consortium Online Professional Development

NEW for Fall!

Courses marked with the  icon have been updated with new ideas and activities. They all incorporate Web 2.0 tools!

Fairfax County Public Schools is working with 14 neighboring school districts and the North Technology Integration Education Region (North TIER) partnership, as part of the Enhancing Education through Technology Ed Tech Subgrant of the No Child Left Behind Act of 2001, to provide online professional development opportunities for North TIER Teachers and staff.

The courses below are being offered by trained online facilitators. These courses, which are project- and standards-based, include seven online sessions. The learning model for these courses is a combination of readings, activities, and facilitated peer-to-peer collaborative discussions. The focal point of the sessions is online discussion where you can share your ideas, reflections, comments, and questions with your classmates.

Course Information:

The online courses are not conducted at a certain time of the day. During the first day of the online course week, the instructor will post an assignment and a discussion question on Blackboard. Class participants must log in to Blackboard at some point during the course week and complete the assignment and participate in the discussion board.

There is not a set time each week for logging in. Participants are also expected to go to the discussion board a couple of times during the week to respond to the postings of other participants.

Participants can expect to spend at least four to six hours each week completing class activities. These courses are 30 hours of work.

Note: Participants may be asked to share their knowledge, participate in surveys, and be available to the North TIER Evaluators. All sessions will be conducted online. All projects must be submitted on or before the final date. For more information contact aron.sterling@fcps.edu.

Participants may be asked to share their knowledge, participate in surveys, and be available to North TIER Evaluators.

How To Register—New & Returning Users

Please read the registration and refund policies before registering. By registering, a participant agrees to these policies. Please read the following directions carefully.

To Register:

- ◆ Go to the North Tier registration site at www.mhznetworks.org/norhttier/ and click on the **REGISTER** link
- ◆ Click on **VIEW CATALOG**
- ◆ Look through the list of courses, locate the course you wish to take
- ◆ Click on **CLICK TO ENROLL** button

If you have taken a North TIER course before:

- ◆ Click on **I'M A REGISTERED USER**, and you will be prompted to sign into your account

If you have never taken a North TIER class before:

- ◆ Click on **I'M A NEW USER** to create a username and password and sign up for courses
- ◆ Once you have completed the registration and entered your credit card number, you receive an email confirming your enrollment.

North TIER requires a **\$25 non-refundable online fee** for **each** course.
The fee will be reimbursed by FCPS upon successful completion.

Submit your tuition reimbursement request form to PLA. Forms are available at
<http://www.fcps.edu/plt/treimbursement.htm>

Participants may not enroll in more than ~~two~~ courses.

Please see the NorthTIER catalog for information regarding drop procedures.

Instructional Technology Courses

North TIER Consortium Online Professional Development

AC-11001

Building a Better Classroom: Constructivism in an SOL World

E M H ★  Int

1 academy credit | 30 points

Today's classroom teachers face many instructional challenges trying to balance the demands of NCLB, standards-based assessment, and curriculum pacing guides in a constructivist classroom. This course is geared towards participants incorporating strategies in the development of standards-based, technology-rich lessons to be used in a constructivist classroom.

Register online at <http://www.mhznetworks.org/norhtier/>

Updated Content!

AC-1189

Creating Educational Podcasts

E M H ★  Int

1 academy credit | 30 points

In this workshop, participants explore the use of educational podcasts in regular curricula activities. Participants take a look at a variety of podcasts and methods for incorporating podcasts into curricula projects. Participants create a simple podcast file using the Windows environment and the free audio editor and recording software, Audacity. This workshop is geared toward the classroom teacher who has intermediate technology skills.

Register online at <http://www.mhznetworks.org/norhtier/>

Updated Content!

AC-1192

Classroom Assessment Enhanced by Technology

E M H ★  Int

1 academy credit | 30 points

Effective assessment is a key element for student achievement and a topic that all people in the field of education must address. Assessment is an ongoing process, requiring multiple methods to assure that teachers gather accurate information that meets the needs of all students. In this workshop, participants will explore effective principles of classroom assessment at all grade levels and subject areas and a range of assessment methods supported by technology. Participants will review formative and performance assessment, backwards design, and various methods including rubrics and electronic portfolios. By the end of the workshop, participants will design new assessments to use with their curriculum.

Register online at <http://www.mhznetworks.org/norhtier/>

AC-1172

Cycling Through Science 2.0

E ★  Int

1 academy credit | 30 points

This workshop begins with an overview of science standards. Afterwards, participants explore the use of Web 2.0 tools to enhance inquiry-based teaching and learning in the science curriculum. This course weaves technology including websites, video and audio throughout cycles taught within the science classroom. Participants also have the option of working in teams to explore and create. This course is designed for elementary science teachers.

Register online at <http://www.mhznetworks.org/norhtier/>

Updated Content!

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Instructional Technology Courses

North TIER Consortium Online Professional Development

AC-1158

Daily Digital Images

E ★  INT

1 academy credit | 30 points

During this course teachers learn not only how to find and create digital images but also how to use them on a daily basis in their classroom to enhance higher level thinking skills. Students explore the necessary hardware; learn how to use pictures across the curriculum, and celebrate student's success. They also learn how to manipulate digital images using freeware/shareware applications. The course is taught for the Windows platform. Participants must have access to a digital camera to use during the course.

Register online at <http://www.mhznetworks.org/northtier/>

AC-1155

Designing a Virtual Field Trip

E M H ★  INT

1 academy credit | 30 points

This online course enables participants to use Internet resources to design a "virtual field trip." Participants become familiar with the strategies and resources that educators use to design field trips, as well as tips and tricks to ensure their success. By the end of the course, participants are able to design an effective and engaging virtual field trip that is aligned to FCPS standards. Successful completion validates competency in the technology integration skill area (standards 5-8).

Register online at <http://www.mhznetworks.org/northtier/>

**Updated
Content!**

AC-11007

Differentiating Instruction to Accommodate Learning Styles

E M H  INT

1 academy credit | 30 points

Addressing the individual learning styles of students can be a challenge for teachers. The World Wide Web contains a vast number of resources to assist teachers in understanding and planning for the different avenues through which students learn best. Suitable for participants of all grade levels and subject areas, this workshop reviews a range of web sites providing information about learning theory related to learning styles and multiple intelligences, as well as resources to assist teachers in both identifying students' learning styles and intelligences and engaging students in activities which best suit those styles and intelligences. Participants become familiar with teaching strategies and tools targeted for each learning style and intelligence and develop a preliminary lesson plan using those strategies and tools.

Register online at <http://www.mhznetworks.org/northtier/>

AC-1194

Finding the Best Educational Resources on the Web

E M H  INT

1 academy credit | 30 points

This course explores the range of educational material available on the Internet and teaches time-saving skills to more effectively search the Web for useful curricular resources. Participants become familiar with popular search engines and subject directories and learn techniques for using them appropriately and efficiently. The class also examines the importance of critical evaluation of web resources and how to develop evaluation skills in the classroom. Participants leave the course with a collection of web resources appropriate for their own classroom use. Successful completion validates competency in the technology integration skill area (standards 5-8).

Register online at <http://www.mhznetworks.org/northtier/>

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Instructional Technology Courses

North TIER Consortium Online Professional Development

AC-11003

Harnessing the Power of Digital Images

E M H  INT

1 academy credit | 30 points

Participants look at a variety of digital images and a range of methods for incorporating digital images into curricula projects using software programs. Each participant creates a project-based lesson incorporating the use of digital images which supports their curricular goals. This workshop is geared toward the elementary classroom teacher but with some modification in the final project and related student activities, it would also be suitable for middle school teachers.

Register online at <http://www.mhznetworks.org/northtier/>

Updated Content!

AC-11017

Implementing Technology into your Social Studies Curriculum

E M  INT

1 academy credit | 30 points

This course will take teachers on adventures geared toward enhancing social studies instruction by exploring the world of technology and ways to integrate it into classroom instruction. Each week of this six week course will take participants on a new adventure in this wonderful and ever changing world of technology with the ultimate goal of improving instruction to better educate all students. When this course ends, teachers will have created their own web-based project and a hot list of valuable websites that they can use in their classrooms

Register online at <http://www.mhznetworks.org/northtier/>

Updated Content!

AC-1124

Have GPS Will Travel

M H  INT

1 academy credit | 30 points

This course focuses on using a GPS (Global Positioning System) in your classroom. **Access to a GPS is a prerequisite for the course.** This course starts with a foundation of the GPS and how it works along with skills you need to use it. The course continues with general ideas for application and specific project-based and place-based learning examples for effectively using this technology tool in your classroom. Learn the basics of finding waypoints and developing caches that can be used in your cross curricular classroom. Finally, you will create your own GPS place-based lesson to be used in your classroom.

Register online at <http://www.mhznetworks.org/northtier/>

Updated Content!

AC-11009

Information Literacy

E M H ★  INT

1 academy credit | 30 points

Using the Big6(tm) Information Literacy model, this course will focus on best practices in teaching information literacy skills. We will be using available hardware and software to integrate online research. The focus will be on the skills needed to locate, analyze, interpret, evaluate and record information and ideas using online resources. At the completion of the course, participants will have gathered all of the resources needed to teach their students information literacy skills in their own classroom.

Register online at <http://www.mhznetworks.org/northtier/>

Updated Content!

AC-11000

Introduction to Blogs

E M H ★  INT

1 academy credit | 30 points

While blogs or weblogs have been around for a while, the idea seems to have caught on over the past year. This online course helps participants explore questions such as: What is a blog? Do blogs have any implications for educators? How can blogs be used with students? How can someone start a blog?

Register online at <http://www.mhznetworks.org/northtier/>

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Instructional Technology Courses

North TIER Consortium Online Professional Development

AC-11004

ITRT Action Research

E M H  INT

1 academy credit | 30 points

Today's educators are well tuned to data-driven decision making and correlating curriculum with research findings. But why shouldn't we get in on the fun and generate our own data, and design research projects that can inform our teaching sooner rather than later? Teacher action research takes place in a school setting and addresses timely questions about ways to improve instruction. This type of research is often collaborative and involves posing questions, systematically reflecting on practice, gathering data, and implementing a course of action. In this course we focus on the steps of teacher action research. The activities and readings in this class assume a basic familiarity with educational research methods.

Register online at <http://www.mhznetworks.org/northtier/>

AC-11026

Let's Collaborate

E M  INT

1 academy credit | 30 points

This course prepares teachers to use productivity tools in a collaborative manner with students to enhance learning and creativity. Participants practice what they are learning by working collaboratively throughout the course. Projects in the course provide participants with opportunities to create meaningful learning experiences through peer review, collaborative presentations, and online groups and discussions.

Register online at <http://www.mhznetworks.org/northtier/>

Updated Content!

AC-11021

Reading First: Supporting Early Reading Instruction with Technology

E ★  INT

1 academy credit | 30 points

Participants in this workshop discover the many ways in which new technologies can support classroom reading instruction in kindergarten through third grade. As they examine existing research on literacy technologies, participants also review or familiarize themselves with the five areas of instruction discussed in the National Reading Panel's 2000 report on early reading: phonemic awareness, phonics, fluency, vocabulary, and text comprehension. The workshop puts special emphasis on evidence-based uses of technology for reading instruction.

Register online at <http://www.mhznetworks.org/northtier/>

AC-1188

Reading, Writing and Really Using Technology for Learning

E M H ★  INT

1 academy credit | 30 points

Close the digital divide and seamlessly integrate technology into your language arts curriculum. Educators must understand the techniques of teaching reading and language arts while incorporating the use of technology into their curriculum if they are going to create an enthusiastic environment for learning and literacy with their students. This course is designed to provide teachers in the K-5 setting with a variety of ideas to use with reading, writing, spelling, and grammar curriculum.

Register online at <http://www.mhznetworks.org/northtier/>

Updated Content!

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Instructional Technology Courses

North TIER Consortium Online Professional Development

AC-11028

Teacher Leaders: 21st Century Staff Developers

E M H  INT

1 academy credit | 30 points

This course is designed to provide an overview and exploration of the multiple roles of staff developers aimed at improving 21st century teaching and learning. This is an ideal course for lead teachers, staff developers, instructional specialist, resource providers and Instructional Technology Resource Teachers. Any teacher functioning or aspiring to become a staff developer for their school division benefits from the exposure to literature review and opportunities for reflection and professional support found in this collaborative online course environment. The integration of technology is covered as it relates to impacting student achievement, telecommunications to support professional learning communities, and school improvement planning.

Register online at <http://www.mhznetworks.org/northtier/>

**Updated
Content!**

AC-1187

Technology in Support of the Struggling Elementary Math Student

E M ★  INT

1 academy credit | 30 points

During the course participants read and watch videos that spark thinking, engage in both targeted discussions and open-end forums focusing upon individual concerns and needs, and spend ample time visiting web-based and other technology resources in order to be able to use them with struggling math students. At the end of the course, teachers are asked to choose between doing a lesson plan or writing a report on implementation of a strategy learned in class.

Register online at <http://www.mhznetworks.org/northtier/>

AC-11023

Teaching Writing in the Elementary Classroom

E ★  INT

1 academy credit | 30 points

All students have the capacity to be good writers and writers learn by writing. These are basic tenets of this workshop during which participants learn instructional strategies to teach students in the upper elementary grades how to write narrative and informational text. Participants explore how to teach their students about the traits of good writing through mini-lessons and writing conferences and how to use established criteria to evaluate writing. They recognize that writing is a process and consider how to organize instruction to guide students through the stages. Participants go through the instructional cycle from writing prompt to revision as they create their final projects.

Register online at <http://www.mhznetworks.org/northtier/>

**Updated
Content!**

AC-11005

Technology to Support Writing SOLs—Secondary

H ★  INT

1 academy credit | 30 points

Teaching writing to students can often be overwhelming. Technology can provide teachers an opportunity to help students organize their thoughts easily, create quick outlines and easily edit and submit their work. Technology can also allow for more thorough peer editing and allows teachers to provide meaningful feedback on student work. This course is meant for any secondary level teacher in any subject area who is interested in using common technology tools to help students improve their writing skills.

Register online at <http://www.mhznetworks.org/northtier/>

**Updated
Content!**

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Instructional Technology Courses

North TIER Consortium Online Professional Development

AC-11002

ITRT 101

E M H ★  INT

1 academy credit | 30 points

The position of Instructional Technology Resource Teacher, or ITRT, is new; so new that the title ITRT is only one of many acronyms associated with the job. The same position may also be called ITI (Instructional Technology Integrator), School Based Technology Specialist (SBTS), TRT (Technology Resource Teacher), or several others as well. ITRTs have a particular burden of defining their jobs within school systems in a way that teachers do not. New ITRTs hit the ground running, and need to draw upon a complex set of instructional, interpersonal, and technical skills. This course is intended for ITRT's in the first few years on the job and assists them in defining their roles, developing a vision for the position, and identifying those who can assist them in navigating through these uncharted waters.

Register online at <http://www.mhznetworks.org/northtier/>

**Updated
Content!**

AC-11008

Using Graphic Organizers to Promote Higher-Level Thinking Skills

E M H ★  INT

1 academy credit | 30 points

During this online course, participants learn how graphic organizers can be utilized to increase student learning and develop higher order thinking skills. Participants develop graphic organizers to use with their students and become familiar with the different options available for integrating activities into the classroom. Participants learn to use graphic organizers to teach students to organize thoughts and develop writing skills and understand the pieces, parts, and components to complete objectives and goals.

Register online at <http://www.mhznetworks.org/northtier/>

**Updated
Content!**

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Need a Content Course for Licensure Renewal?

FCPS has designated a general academy credit course as a one-time exception for teachers without master's degrees who must complete a content course for recertification:

Human Relations (page 19)

In addition, the points earned from completing technology courses that validate the Virginia Technology Standards for Instructional Personnel and the points earned from completing courses that are required Standards of Learning training can be used toward meeting the 90-point content course requirement.

All courses that support part or all of the 90-point content course requirement are designated in this catalog with a ★ on the course information bar.



TECH 155

Collaborating on the Internet: Keypal Projects That Promote Cultural Awareness

Grades 4–8! Keypal online exchanges open a world of cultural awareness, geographic knowledge, and language skills for your students. This course helps you design a successful, collaborative keypal project for your own classroom so your students can connect with peers worldwide.

TECH 300

The Computer for Personal Productivity

Grades K–12

Squeeze more time out of your day by tapping the power of technology to create teaching materials and assessments; communicate with colleagues, parents, and students; improve lesson planning; and manage information. Explore areas where the computer can increase personal productivity, then develop and implement a personal productivity plan that makes the best use of your time and resources.

TECH 325

Searching and Researching on the Internet

Grades K–12

This course surveys the tools and background needed to use the Internet successfully as a research tool in the classroom. Practice different methods of Internet research and learn to apply them effectively and efficiently. Review the ethical and legal issues that may arise when using these new tools in the classroom. Use your new skills and knowledge to search the Internet for appropriate lesson materials to help you build a resource library.

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Instructional Technology and Academy Courses

Textbooks for Academy Credit Courses

Local Stores

The stores listed normally carry only a few copies of the required textbooks in stock. However, all will order the books for you and deliver them in a short period of time. Call the individual stores to determine availability. Some mall locations may also carry the titles as well as some locations of Borders, Office Depot, and Staples.

On the Web

The fastest and easiest way to find the titles is to use one of the many online book shops. Most have the title in stock and ship it directly to your home or school in less than three days. All the sites listed below discount the titles at least 20 percent. To locate the book quickly, just type a few of the keywords in the title and the author's last name into the search box and click the button. From there, follow the instructions shown on the screen.

Still Can't Find the Book? Go to the Web Sites Listed Below:

Barnes and Noble Books	www.bn.com	www.responsiveclassroom.org
Borders Books and Music	www.borders.com	http://nvgc1.bkstore.com/bkstore/content
Amazon	www.amazon.com	www.Fredjones.com
MicroCenter	www.microcenter.com	www.baker-taylor.com
CompUSA	www.compusa.com	www.westmusic.com

If you cannot find a specific book for a technology class,

ask the school-based technology specialist at your school to help you find it at one of the online stores.

Visit <http://www.fcps.edu/dis/OITS/techtraining/info/bookinfo.html>
for book titles and purchasing information.

Highly Qualified Teacher (HQT) Courses



A minimum of 30 hours is required through the Virginia Department of Education (VDOE) to meet the requirements for a high-quality professional development institute. Institutes are just one option for special education teachers to meet highly qualified teacher requirements.