# Digital Fluency and Computer Science

### Computer Science & Digital Fluency in the Science Class (Online Course Provided by NYSCATE)

Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 10/2/2023New

In this course we will explore applications of the New York State Computer Science and Digital Fluency Standards (NYSCSDF) as they reinforce and support New York State Science Learning Standards (NYSSLS), a series of performance expectations that define what students should understand and be able to do as a result of their study of science.

This course is worth 3 CTLE Hours.

Course Purpose

Objective 1: To learn to apply the New York State Computer Science & Digital Fluency Standards (NYSCSDF) in science to support student learning as guided by the New York State Science Learning Standards (NYSSLS).

Objective 2: To build lessons and project activities that apply the NYSCSDF to enhance student learning in the science classroom..

NOTE: This course is 100% online and will take approximately 3 hours to complete. This course begins on October 2, and participants have until December 15, 2023 to complete all required assignments and activities to receive CTLE credit.

This course is designed and provided by NYSCATE, and utilizes the Canvas Learning Management System. Upon registration, you will receive an email from NYSCATE with instructions on how to enroll in your course. This course is self paced and upon successful completion, you will be marked complete in PLM.

### Computer Science and Digital Fluency in the Art Class (Online Course Provided by NYSCATE)

Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 10/2/2023New

In this course we will review the basics of Computer Science and Digital Fluency in the arts. This in-depth course will explore creative, fun, project-based art projects and concepts that integrate technology and STEAM learning. We'll explore a range of emerging and classic tools and media that teach the fundamentals and are cost-effective. We will cover incorporating the principles of Computer Science, Digital Fluency, and the arts along with how to engage students with creative projects, and then sharing ways to elevate the learning to the next level by adding elements such as collaboration, connection, and community.

This course is worth 3 CTLE Hours.

Course Purpose

# Professional Development Offerings from LHRIC

Objective 1: To learn what the Computer Science and Digital Fluency standards are and how they can be used in the art classroom.

Objective 2: To learn how to integrate CS & DF into projects for use in any classroom environment.

NOTE: This course is 100% online and will take approximately 3 hours to complete. This course begins on October 2, and participants have until December 15, 2023, to complete all required assignments and activities to receive CTLE credit.

This course is designed and provided by NYSCATE and utilizes the Canvas Learning Management System. Upon registration, you will receive an email from NYSCATE with instructions on how to enroll in your course. This course is self-paced and upon successful completion, you will be marked complete in PLM.

## CS & DF Computational Thinking (Online Course Provided by NYSCATE)

Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 10/2/2023New

In this course, we will review NYSED's computer science and digital fluency standards around the concept area of Computational Thinking. This course will explore the four subconcepts within Computational Thinking. These are:

Modeling and Simulation

Data Analysis and Visualization

Abstraction and Decomposition

Algorithms and Programming

Throughout this course, you will learn more about the standards, explore examples of the standards in action and be able to consider how you will implement these standards in your classroom.

This course is worth 3 CTLE Hours.
Course Purpose

Objective 1: To learn the NYSED Computer Science and Digital Fluency Standards Concept Area: Computational Thinking.

Objective 2: To learn how to implement the standards into your classroom.

NOTE: This course is 100% online and will take approximately 3 hours to complete. This course begins on October 2, and participants have until December 15, 2023, to complete all required assignments and activities to receive CTLE credit.

This course is designed and provided by NYSCATE and utilizes the Canvas Learning Management System. Upon registration, you will receive an email from NYSCATE with instructions on how to enroll in your course. This course is self-paced and upon successful completion, you will be marked complete in PLM.

# Professional Development Offerings from LHRIC

**CS & DF Cybersecurity (Online Course Provided by NYSCATE)**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 10/2/2023New

In this course, we will review NYSED's computer science and digital fluency standards around the concept area of Cybersecurity. This course will explore the three subconcept areas within Cybersecurity. These are:

Risks

Safeguards

Response

Throughout this course, you will learn more about the standards, explore examples of the standards in action and be able to consider how you will implement these standards in your classroom.

This course is worth 3 CTLE Hours.
Course Purpose

Objective 1: To learn the NYSED Computer Science and Digital Fluency Standards Concept Area: Cybersecurity.

Objective 2: To learn how to implement the standards into your classroom.

NOTE: This course is 100% online and will take approximately 3 hours to complete. This course begins on October 2, and participants have until December 15, 2023, to complete all required assignments and activities to receive CTLE credit.

This course is designed and provided by NYSCATE and utilizes the Canvas Learning Management System. Upon registration, you will receive an email from NYSCATE with instructions on how to enroll in your course. This course is self-paced and upon successful completion, you will be marked complete in PLM.

**CS & DF Digital Literacy (Online Course Provided by NYSCATE)**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 10/2/2023New

In this course, we will review NYSED's computer science and digital fluency standards around the concept area of Digital Literacy. This course will explore the two subconcept areas within Digital Literacy. These are:

Digital Use

Digital Citizenship

Throughout this course, you will learn more about the standards, explore examples of the standards in action and be able to consider how you will implement these standards in your classroom.

This course is worth 3 CTLE Hours.
Course Purpose

# Professional Development Offerings from LHRIC

Objective 1: To learn the NYSED Computer Science and Digital Fluency Standards Concept Area: Digital Literacy.

Objective 2: To learn how to implement the standards into your classroom.

NOTE: This course is 100% online and will take approximately 3 hours to complete. This course begins on October 2, and participants have until December 15, 2023, to complete all required assignments and activities to receive CTLE credit.

This course is designed and provided by NYSCATE and utilizes the Canvas Learning Management System. Upon registration, you will receive an email from NYSCATE with instructions on how to enroll in your course. This course is self-paced and upon successful completion, you will be marked complete in PLM.

## CS & DF Impacts of Computing (Online Course Provided by NYSCATE)

Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 10/2/2023New

In this course we will review NYSED's computer science and digital fluency standards around the concept area of Impacts of Computing. This course will explore the 4 subconcepts within Impacts of Computing. These are:

Society

Ethics

Accessibility

Career Paths

Throughout this course, you will learn more about the standards, explore examples of the standards in action and be able to consider how you will implement these standards in your classroom.

This course is worth 3 CTLE Hours.
Course Purpose

Objective 1: To learn the NYSED Computer Science and Digital Fluency Standards Concept Area: Impacts of Computing.

Objective 2: To learn how to implement the standards into your classroom.

NOTE: This course is 100% online and will take approximately 3 hours to complete. This course begins on October 2, and participants have until December 15, 2023, to complete all required assignments and activities to receive CTLE credit.

This course is designed and provided by NYSCATE and utilizes the Canvas Learning Management System. Upon registration, you will receive an email from NYSCATE with instructions on how to enroll in your course. This course is self-paced and upon successful completion, you will be marked complete in PLM.

# Professional Development Offerings from LHRIC

## CS & DF Networks and System Design (Online Course Provided by NYSCATE)

Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 10/2/2023New

In this course, we will review NYSED's computer science and digital fluency standards around the concept area of Networks and System Design. This course will explore the two subconcept areas within Networks and Systems Design. These are:

Hardware and Software

Networks and the Internet

Throughout this course, you will learn more about the standards, explore examples of the standards in action and be able to consider how you will implement these standards in your classroom.

This course is worth 3 CTLE Hours.
Course Purpose

Objective 1: To learn the NYSED Computer Science and Digital Fluency Standards Concept Area: Networks and System Design.

Objective 2: To learn how to implement the standards into your classroom.

NOTE: This course is 100% online and will take approximately 3 hours to complete. This course begins on October 2, and participants have until December 15, 2023, to complete all required assignments and activities to receive CTLE credit.

This course is designed and provided by NYSCATE and utilizes the Canvas Learning Management System. Upon registration, you will receive an email from NYSCATE with instructions on how to enroll in your course. This course is self-paced and upon successful completion, you will be marked complete in PLM.

## Computer Science and Digital Fluency in the ELA Class (Online Course Provided by NYSCATE)

Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 10/2/2023New

In this course, we will review NYSED's computer science and digital fluency standards. This course will explore how these standards can look in your ELA class from K-12. We will explore all 5 concept areas as well as the sub concept areas. Throughout this course, you will learn more about the standards, explore examples of the standards in action and be able to consider how you will implement these standards in your classroom.

This course is worth 3 CTLE Hours.

Course Purpose

# Professional Development Offerings from LHRIC

Objective 1: To learn the NYSED Computer Science and Digital Fluency Standards.

Objective 2: To learn how to implement these standards into your ELA curriculum.

NOTE: This course is 100% online and will take approximately 3 hours to complete. This course begins on October 2, and participants have until December 15, 2023, to complete all required assignments and activities to receive CTLE credit.

This course is designed and provided by NYSCATE and utilizes the Canvas Learning Management System. Upon registration, you will receive an email from NYSCATE with instructions on how to enroll in your course. This course is self-paced and upon successful completion, you will be marked complete in PLM.

## Computer Science and Digital Fluency in the Math Class (Online Course Provided by NYSCATE)

Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 10/2/2023New

In this course, we will review the NYSED Computer Science and Digital Fluency Standards and how these standards can look in your math class from Kindergarten to 12th grade. We will explore all 5 concept areas as well as the subconcept areas. Throughout this course, you will learn more about the standards, explore examples of the standards in action and be able to consider how you will implement these standards in your classroom.

This course is worth 3 CTLE Hours.

Course Purpose

Objective 1: To learn the NYSED Computer Science and Digital Fluency Standards.

Objective 2: To learn how to implement these standards into your Math curriculum.

NOTE: This course is 100% online and will take approximately 3 hours to complete. This course begins on October 2, and participants have until December 15, 2023, to complete all required assignments and activities to receive CTLE credit.

This course is designed and provided by NYSCATE and utilizes the Canvas Learning Management System. Upon registration, you will receive an email from NYSCATE with instructions on how to enroll in your course. This course is self-paced and upon successful completion, you will be marked complete in PLM.

## IS CS BS at the Elementary Level, DF Too? (Online, Self Paced)

Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 11/1/2023New

With NYSED's impending computer science and digital fluency standards expected to be fully implemented by 2024 how are elementary educators going to handle it? Is there an understanding of what it is and how to integrate them? We'll go over all this to build a foundation from the ground up, get you some ideas, sample lessons and answers to your questions.

NOTE: This course is 100% online and will take approximately 6 hours to complete. This course begins on November 1, and participants have until November 15 to complete all required assignments and activities to receive CTLE credit.

LHRIC Model Schools utilizes the Schoology Learning Management System. Upon registration, you will receive a welcome message from your instructor with information on how your course works, what you can expect, how to get help along the way, and steps you need to take to enroll.

**Creative Coding with p5.js**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 11/30/2023New

This introductory computer science course for teachers not only serves as excellent preparation for AP Computer Science Principles but also provides a creative exploration of essential computer science principles. It encourages educators to expand their perspectives on teaching the New York State Computer Science and Digital Fluency standards. The course offers activity and unit project examples that incorporate Culturally Responsive Best Practices, enabling students to relate their learning to their own cultures and communities. A significant portion of this 6-hour course is based on CS4all's Intro to Computational Media. Furthermore, the course emphasizes discussions and solutions regarding academic honesty in coding, effective management of student work, and the importance of teaching computer science in a contextual, rather than elective, manner. Key Contents: - 3 activities - Modules for student content management and best practices - Social and Emotional Learning (SEL) lesson - Integration of Computer Science and Digital Fluency (CS/DF) Standards

## Learning in the Age of AI

**[Learning in the Age of AI: Apply To Practice] Promoting Student Engagement and Academic Success with AI (Two Part Webinar Series)**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 9/28/2023 to 11/9/2023New

As AI continues to grow, teachers will need to understand the potential of this technology in education. By leveraging AI-driven insights and tools, teachers can create engaging learning experiences, cultivate a more inclusive classroom environment to increase achievement. During this two-part webinar, participants will explore ways to use AI in the classroom to enhance student engagement and academic success for all students. (Participants can sign up for just Part 1, but must take Part 1 if they want to take Part 2)

Registered participants will receive webinar instructions prior to session start.

**[Learning in the Age of AI: Build Your Knowledge] Artificial Intelligence "Appy Hour"**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 10/12/2023New

"Appy Hours" are back as a fun and fast way to be exposed to new technology tools and trends in the region. Jump on board the AI craze, using tools and apps that will save you time and help you work smarter and faster. Your students will benefit, too, engaging with new content that you're able to deliver

with facility, fidelity and finesse! Learn about existing apps that utilize AI, as well as newcomers that leverage AI's power and pizazz.

Registered participants will receive webinar instructions prior to session start.

**[Learning in the Age of AI: Apply To Practice] Build Your Artificial Intelligence Toolkit**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 10/27/2023New

If you are curious about how artificial intelligence basic tools and applications can be used effectively in the classroom, join us for this "free range" learning expedition. We will establish a collective understanding of what AI is, and is not, and will explore some of the ways teachers are using these tools to plan and deliver instruction. We will provide ample materials and opportunities for you to construct your own AI Toolkit, and you will have the chance to share ideas and concerns with colleagues.

**[Learning in the Age of AI: Build Your Knowledge] Artificial Intelligence "Appy Hour" (After School Time Slot )**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 11/2/2023New

"Appy Hours" are back as a fun and fast way to be exposed to new technology tools and trends in the region. Jump on board the AI craze, using tools and apps that will save you time and help you work smarter and faster. Your students will benefit, too, engaging with new content that you're able to deliver with facility, fidelity and finesse! Learn about existing apps that utilize AI, as well as newcomers that leverage AI's power and pizazz.

Registered participants will receive webinar instructions prior to session start.

**[Learning in the Age of AI: Build Your Knowledge] A.I: A Primer for Educators**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 11/7/2023New

In this workshop, teachers will learn about artificial intelligence, how it works, and gain some insight into how to apply this emerging technology in their practice. Teachers will learn how Microsoft is implementing ChatGPT's AI technology in products such as Microsoft Word, PowerPoint, and Bing Chat. They will also discover how easy it is to plan lessons using these tools. Finally, teachers will be given the opportunity to practice using AI, so they will be able to implement these tools with confidence.

**[Learning in the Age of AI: Reflect and Collaborate] Instructional (Re)Design in the Age of AI (AM Option)**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 11/8/2023New

Join us for an engaging and innovative virtual work session tailored specifically for curriculum leaders who are eager to explore the implications of AI in education and its transformative potential. The rapid integration of AI technologies into classrooms presents both opportunities and challenges for educators. As curriculum leaders, you play a pivotal role in shaping the future of education, and this session aims to empower you with the knowledge and strategies needed to harness AI's potential effectively. This session will immerse you in an exciting exploration of instructional design in the age of AI as well as address the ethical and philosophical issues that districts are grappling with. Through online teams, participants will engage in live discussions and brainstorming, tackling real-world scenarios related to AI integration. We

will close by taking a collective "look down the road" to anticipate some of the emerging applications that are currently in beta.

Gain a deeper understanding of how AI is reshaping education.

Learn practical strategies for instructional redesign to meet the demands of AI-integrated classrooms.

Collaborate with peers from various schools and districts, fostering a community of innovation.

Share your insights and learn from the experiences of others.

Districts are encouraged to participate in teams. Registrants will receive Zoom meeting link prior to session start.

**[Learning in the Age of AI: Reflect and Collaborate] Instructional (Re)Design in the Age of AI (PM Option)**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 11/8/2023New

Join us for an engaging and innovative virtual work session tailored specifically for curriculum leaders who are eager to explore the implications of AI in education and its transformative potential. The rapid integration of AI technologies into classrooms presents both opportunities and challenges for educators. As curriculum leaders, you play a pivotal role in shaping the future of education, and this session aims to empower you with the knowledge and strategies needed to harness AI's potential effectively. This session will immerse you in an exciting exploration of instructional design in the age of AI as well as address the ethical and philosophical issues that districts are grappling with. Through online teams, participants will engage in live discussions and brainstorming, tackling real-world scenarios related to AI integration. We will close by taking a collective "look down the road" to anticipate some of the emerging applications that are currently in beta.

Gain a deeper understanding of how AI is reshaping education.

Learn practical strategies for instructional redesign to meet the demands of AI-integrated classrooms.

Collaborate with peers from various schools and districts, fostering a community of innovation.

Share your insights and learn from the experiences of others.

Districts are encouraged to participate in teams. Registrants will receive Zoom meeting link prior to session start.

**[Learning in the Age of AI: Apply To Practice] Build Your Artificial Intelligence Toolkit**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 11/10/2023New

If you are curious about how artificial intelligence basic tools and applications can be used effectively in the classroom, join us for this "free range" learning expedition. We will establish a collective understanding of what AI is, and is not, and will explore some of the ways teachers are using these tools

to plan and deliver instruction. We will provide ample materials and opportunities for you to construct your own AI Toolkit, and you will have the chance to share ideas and concerns with colleagues.

**[Learning in the Age of AI: Build Your Knowledge] Artificial Intelligence Mock Trial: Addressing Concerns About AI Safety, Bias And Limitations**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 11/16/2023New

Persons of the jury, we are looking for open minded and rational educators to role play alongside LHRIC facilitators in a "mock trial" session format: does artificial intelligence have a role to play in today's classroom? Should we proceed with caution, or are there more questions that need answering? If you are interested in hearing what the "prosecution" and "defense" attorneys have to offer, and if you're interested in poring over various learning exhibits with your colleagues to learn, form opinions, and come to your own conclusions, then kindly bring a device and report to court.

**[Learning in the Age of AI: Build Your Knowledge] Unmasking AI in the Software You Use Everyday**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 12/7/2023New

Join us for an illuminating and insightful webinar that will empower educators like you to uncover the impact of Artificial Intelligence (AI) within the software tools you use in your daily teaching routines. In the ever-evolving landscape of education technology, AI is quietly revolutionizing the way we teach, learn, and interact with educational resources.

Connection information will be provided to registrants prior to webinar.

**[Learning in the Age of AI: Reflect and Collaborate] Book Study: "Scary Smart: The Future of Artificial Intelligence and How You Can Save Our World" (Author: Mo Gawdat) (Online, Self Paced)**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 12/18/2023New

Artificial Intelligence (AI) is reshaping the world as we know it, and with the profound advancements come both exhilarating opportunities and daunting challenges. "Scary Smart: The Future of Artificial Intelligence and How You Can Save Our World" by Mo Gawdat is your gateway to understanding the intricate interplay between AI and humanity, and our collective role in shaping its future.

Throughout this book study, we will unravel the core themes of "Scary Smart," including:The AI Revolution: Gain a deep understanding of the current AI landscape, from its transformative potential to its ethical implications and societal impact.

The Ethical Imperative: Delve into the moral and ethical questions surrounding AI, including issues of bias, privacy, and the responsible use of AI technologies.

Human-AI Collaboration: Explore the symbiotic relationship between humans and AI, uncovering ways in which we can harness AI's capabilities to enhance our lives and solve complex problems.

AI for Good: Discuss the incredible potential of AI to address pressing global challenges, from healthcare to environmental conservation, and how individuals can contribute to AI-driven solutions.

# Professional Development Offerings from LHRIC

Taking Action: Discover actionable steps you can take to shape the future of AI responsibly and ensure its benefits are accessible to all, regardless of your technical background.

NOTE: This course is 100% online and will take approximately 6 hours to complete. This course begins on December 18, 2023, and participants have until January 1, 2024 to complete all required assignments and activities to receive CTLE credit.

LHRIC Model Schools utilizes the Schoology Learning Management System. Upon registration, you will receive a welcome message from your instructor with information on how your course works, what you can expect, how to get help along the way, and steps you need to take to enroll.

**[Learning in the Age of AI: Apply To Practice] Empowering Educators to Use AI as a TA (Online, Self Paced)**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 1/8/2024New

Welcome to the future of education! In today's rapidly evolving world, technology has become an indispensable tool in the classroom, and Artificial Intelligence (AI) is leading the charge in transforming the way we teach and learn. If you're eager to stay ahead of the curve, this course is tailor-made for you. Join us and discover how to harness the power of AI as a teacher assistant and a timesaver. You'll not only learn the practical aspects of using AI tools but will also gain insights into the ethical considerations and responsible use of AI in education.

NOTE: This course is 100% online and will take approximately 3 hours to complete. This course begins on January 8, 2024, and participants have until January 12, 2024 to complete all required assignments and activities to receive CTLE credit.

LHRIC Model Schools utilizes the Schoology Learning Management System. Upon registration, you will receive a welcome message from your instructor with information on how your course works, what you can expect, how to get help along the way, and steps you need to take to enroll.

**[Learning in the Age of AI: Apply to Practice] Promoting Student Engagement and Academic Success with AI (Two Part Webinar Series)**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 2/8/2024 to 3/7/2024New

As AI continues to grow, teachers will need to understand the potential of this technology in education. By leveraging AI-driven insights and tools, teachers can create engaging learning experiences, cultivate a more inclusive classroom environment to increase achievement. During this two-part webinar, participants will explore ways to use AI in the classroom to enhance student engagement and academic success for all students. (Participants can sign up for just Part 1, but must take Part 1 if they want to take Part 2)

Registered participants will receive webinar instructions prior to session start.

**[Learning in the Age of AI: Build Your Knowledge] A.I: A Primer for Educators**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 2/27/2024New

# Professional Development Offerings from LHRIC

In this workshop, teachers will learn about artificial intelligence, how it works, and gain some insight into how to apply this emerging technology in their practice. Teachers will learn how Microsoft is implementing ChatGPT's AI technology in products such as Microsoft Word, PowerPoint, and Bing Chat. They will also discover how easy it is to plan lessons using these tools. Finally, teachers will be given the opportunity to practice using AI, so they will be able to implement these tools with confidence.

**Artificial Intelligence "Appy Hour" (After School Time Slot )**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 2/28/2024New

"Appy Hours" are back as a fun and fast way to be exposed to new technology tools and trends in the region. Jump on board the AI craze, using tools and apps that will save you time and help you work smarter and faster. Your students will benefit, too, engaging with new content that you're able to deliver with facility, fidelity and finesse! Learn about existing apps that utilize AI, as well as newcomers that leverage AI's power and pizazz.

Registered participants will receive webinar instructions prior to session start.

**[Learning in the Age of AI: Apply to Practice] Nurturing Academic Integrity in the Age of AI (Online, Self Paced)**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 3/25/2024New

AI technology has brought forth transformative possibilities for teaching and learning. However, along with its benefits, AI also presents new challenges in maintaining academic integrity. This workshop is designed to equip educators with the ability to integrate AI strategies and tools while nurturing the fundamentals of authenticity, ethics, and originality.

NOTE: This course is 100% online and will take approximately 6 hours to complete. This course begins on March 25, 2024, and participants have until June 15 to complete all required assignments and activities to receive CTLE credit.

LHRIC Model Schools utilizes the Schoology Learning Management System. Upon registration, you will receive a welcome message from your instructor with information on how your course works, what you can expect, how to get help along the way, and steps you need to take to enroll.

**Discerning Fact from Fiction: Fostering Students' Critical Thinking Skills to Detect Deep Fakes**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 11/17/2023New

In an era where reality and technology are becoming increasingly intertwined, the ability to discern fact from fiction has become a critical skill. This webinar is designed to empower educators with the knowledge and tools necessary to teach students how to recognize and analyze deep fakes. Participants will be able to guide their students through the complexities of a digital landscape where truth can be manipulated.

Registered participants will receive webinar instructions prior to session start.

**Discerning Fact from Fiction: Fostering Students' Critical Thinking Skills to Detect Deep Fakes**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 4/12/2024New

In an era where reality and technology are becoming increasingly intertwined, the ability to discern fact from fiction has become a critical skill. This webinar is designed to empower educators with the knowledge and tools necessary to teach students how to recognize and analyze deep fakes. Participants will be able to guide their students through the complexities of a digital landscape where truth can be manipulated.

Registered participants will receive webinar instructions prior to session start.

## Supporting ELLs

**Creating Effective Supports and Scaffolds for ELL/ML Learners (Online Course Provided by NYSCATE)**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 10/2/2023New

In this course we will provide educators with the understanding on how to make content comprehensible for ELLs/MLLs.

Course Purpose

Objective 1: Participants will understand how to use home language supports in multiple ways, with students and/or with parents helping their children.

Objective 2: Participants will learn about resources available to content area teachers through NYSED.

Objective 3: Review the essential elements for creating mini-webinettes in content areas for ELLs.

Objective 4: Deepen understanding of scaffolds and supports shared in previous sessions, and explore effective means of implementation.

NOTE: This course is 100% online and will take approximately 5 hours to complete. This course begins on October 2, and participants have until December 15, 2023, to complete all required assignments and activities to receive CTLE credit.

This course is designed and provided by NYSCATE and utilizes the Canvas Learning Management System. Upon registration, you will receive an email from NYSCATE with instructions on how to enroll in your course. This course is self-paced and upon successful completion, you will be marked complete in PLM.

**How language Impacts Learning for ELL/ML Learners (Online Course Provided by NYSCATE)**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 10/2/2023New

The focus of this course is to provide educators with the understanding on how to make content comprehensible for ELLs/MLLs.

# Professional Development Offerings from LHRIC

Course Purpose

Objective 1: Participants will understand key research and concepts that support instruction of ELLs, such as Comprehensible Input, Scaffolded Supports and Home Language Supports.

Objective 2: Participants will identify key strategies to support ELLs in Content Area classes.

Objective 3: Participants will have understanding of ways to increase student engagement and connections, thereby develop stronger relationships with ELLs online.

NOTE: This course is 100% online and will take approximately 5 hours to complete. This course begins on October 2, and participants have until December 15, 2023, to complete all required assignments and activities to receive CTLE credit.

This course is designed and provided by NYSCATE and utilizes the Canvas Learning Management System. Upon registration, you will receive an email from NYSCATE with instructions on how to enroll in your course. This course is self-paced and upon successful completion, you will be marked complete in PLM.

**Supporting ELL/MLL Learners (Online Course Provided by NYSCATE)**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 10/2/2023New

During this online course, learners will explore challenges and strategies to foster ELLs' access to content in learning environments such as virtual or hybrid environments. This course will be open from October 2,2023 to December 15,2023 and is worth 5 CTLE Hours.

Course Purpose

Participants will delve deeper into key strategies highlighted in previous modules.

Participants will observe strategies modeled in the classroom and reflect on their implementation.

Modules

Module 1: Introduction

Module #2: Key Strategies

Module #3: Focus on Scaffolds

Module #4: Example of Multi-Language Classroom

Module #5: Final Course Assignment

Professional Development Offerings from LHRIC

Resources for Continued Learning

Final Module: Get Your Digital Badge and Certificate

NOTE: This course is 100% online and will take approximately 5 hours to complete. This course begins on October 2, and participants have until December 15, 2023, to complete all required assignments and activities to receive CTLE credit.

This course is designed and provided by NYSCATE and utilizes the Canvas Learning Management System. Upon registration, you will receive an email from NYSCATE with instructions on how to enroll in your course. This course is self-paced and upon successful completion, you will be marked complete in PLM.

## Technology Tools

**Nearpod Refresh!- Software Spotlight**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 9/18/2023

Learn how to create interactive slides and lessons that will engage learners and expand teacher resources. Nearpod is a program that takes presentations and slideshows to a new engagement level, promoting varied student responses and learning styles. Nearpod's extensive library of educational content for learning and life skills saves time and allows any lesson to be "digitized" and enhanced with opportunities for student feedback and interaction. Registrants will receive a Zoom link invite prior to the session.

**IXL Refresh!- Software Spotlight**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 9/25/2023New

XL is a program that focuses on personalized learning for students. This session will cover a multitude of features and uses for anyone curious about or new to IXL. By using continuous diagnostics or "Smart Score", students can track their own progress in core content areas (Mathematics and ELA). This session starts with a brief overview of IXL functionality, followed by an exploration of the Continuous Diagnostic feature. We'll explore ways to use the Real Time Center, displaying exactly what the students are working on at the moment and if they need assistance. We will also review the SmartScore (an algorithm-based assessment tool), and provide tips on what to look at as students practice. Registrants will receive a Zoom link invite prior to the session.

**BrainPOP Refresh!- Software Spotlight**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 9/25/2023New

BrainPOP offers curriculum based animated movies, learning games, interactive quizzes, primary source activities, and a breadth of additional resources for students in grades 3+. Its topics span Science, Social Studies, English, Math, Engineering & Tech, Health, and Arts & Music. In this webinar we will look into the breadth of activities including: Make-a-Map, a concept mapping tool; , Creative Coding, Make-A-Movie,

incorporate gaming into instruction, and provide feedback on learning artifacts. Registrants will receive a Zoom invite prior to the session.

**New Vendor Spotlight: Get to Know Kahoot!**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 10/24/2023New

**Welcome Kahoot as a new supported vendor!** Districts are now able to procure or renew Kahoot licensing through LHRIC.

Kahoot! is a formative assessment and learning platform that keeps sustained engagement with students, designed to serve unique learning needs with over 15 different question types, diverse game modes, and content with a variety of gamified activities all built around lessons, curriculum, and formative review. Kahoot has more recently developed a district version of the platform to unify and foster collaboration with teachers, greatly expand access around content and curriculum, upgrade access by integrating with tools like Clever, Google Classroom and enable a robust toolset for formative assessment that allows students to also take ownership of creation.

Registered participants will receive webinar instructions prior to session start.

**New Vendor Spotlight: Get to Know Wakelet!**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 11/1/2023New

**Welcome Wakelet as a new supported vendor!** Districts are now able to procure or renew Wakelet licensing through LHRIC.

Wakelet is a content curation platform that allows users to collect and organize various types of digital content, such as articles, videos, images, and social media posts, into visually appealing collections called "Wakes." Users can collaborate with others, share their Wakes, and use Wakelet for a wide range of purposes, from personal bookmarking to creating educational resources and storytelling.

Wakelet can be used for student portfolios by providing a dynamic and multimedia-rich platform to showcase a student's academic achievements, projects, and personal growth. Students can create individual Wakes for different subjects or skills, and within each Wake, they can include a variety of content types, such as links to essays, photos of artwork, videos of presentations, and reflections on their learning journey. This not only allows students to present a holistic view of their work but also provides an engaging and interactive way for educators and peers to review and provide feedback on their progress over time. Additionally, students can easily update and customize their portfolios as they continue to learn and achieve new milestones throughout their academic journey.

Registered participants will receive webinar instructions prior to session start.

Max Class Size: 30

**Esports Showcase**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 10/19/2023

Where do I start with esports?? Join us to hear from all of our approved esports vendors!

Our structure for the day:

9am-Noon:

Each vendor will provide quick product demo/showcase. That will include a brief overview of their offering - what it is, what it does, why it matters.

1pm-3pm

Participant Walkabout- walk around, meet the vendors and ask them your specific questions. Take a spin around their platform.

## Instructional Practices

**Technology's Place in Student Collaboration (Online, Self Paced)**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 9/25/2023New

In this course, participants will develop a deeper understanding of student collaboration, how it can meet students' social, emotional and academic needs, and how technology can help foster deeper thinking. You will learn about and plan for purposeful groupings, active participation in dialogue, various collaborative structures, and student reflection.

NOTE: This course is 100% online and will take approximately 6 hours to complete. This course begins on September 25, 2023, and participants have until October 22, 2023 to complete all required assignments and activities to receive CTLE credit.

LHRIC Model Schools utilizes the Schoology Learning Management System. Upon registration, you will receive a welcome message from your instructor with information on how your course works, what you can expect, how to get help along the way, and steps you need to take to enroll.

**Sketchnoting in the Classroom-An Introduction (Online, Self-Paced)**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 10/2/2023New

You don't have to be an artist to sketchnote! Teach students how to doodle their way to building a visual connection from their existing background knowledge to the new material through sketchnoting. NOTE: This course is 100% online and will take approximately 6 hours to complete. This course begins on October 2, and participants have until October 16, to complete all required assignments and activities to receive CTLE credit. LHRIC Model Schools utilizes the Schoology Learning Management System. Upon registration, you will receive a welcome message from your instructor with information on how your course works, what you can expect, how to get help along the way, and steps you need to take in order to enroll.

# Professional Development Offerings from LHRIC

**Sketchnoting-Beyond the Basics (Online, Self-Paced)**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 11/6/2023New

Are you ready to take your and your students' sketchnoting to the next level? This online course will explore more on building your visual library, active sketchnoting techniques and refining your sketchnotes!

NOTE: Pre-requisite: Sketchnoting in the Classroom - An Introduction.

This course is 100% online and will take approximately 3 hours to complete. This course begins on November 6, and participants have until November 20, to complete all required assignments and activities to receive CTLE credit. LHRIC Model Schools utilizes the Schoology Learning Management System. Upon registration, you will receive a welcome message from your instructor with information on how your course works, what you can expect, how to get help along the way, and steps you need to take in order to enroll.

**Supporting Students with Unique Abilities: An Introduction Course (Online Course Provided by NYSCATE)**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 10/2/2023New

In this course we will help teachers support students who have unique abilities by leveling the playing field and leveraging technology so that students can learn independently.

This course is worth 3 CTLE Hours.

Course Purpose

Objective 1: To learn strategies that support students with unique learning abilities.

Objective 2: To learn tools that will provide all students with equal access to knowledge.

NOTE: This course is 100% online and will take approximately 3 hours to complete. This course begins on October 2, and participants have until December 15, 2023, to complete all required assignments and activities to receive CTLE credit.

This course is designed and provided by NYSCATE and utilizes the Canvas Learning Management System. Upon registration, you will receive an email from NYSCATE with instructions on how to enroll in your course. This course is self-paced and upon successful completion, you will be marked complete in PLM.

**Supporting Students' Self Confidence and Motivation: An Introduction Course (Online Course Provided by NYSCATE)**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 10/2/2023New

In this course, we will explore ways to increase our students' confidence and intrinsic motivation. We will explore the vocabulary, resources, and activities that can be used to support our students. We will also take a look at the technology tools and resources that are available for you.

This course is worth 3 CTLE Hours.

Course Purpose

Objective 1: To learn ways to increase confidence and motivation.

Objective 2: To learn how to find and use the resources available to support student growth.

NOTE: This course is 100% online and will take approximately 3 hours to complete. This course begins on October 2, and participants have until December 15, 2023, to complete all required assignments and activities to receive CTLE credit.

This course is designed and provided by NYSCATE and utilizes the Canvas Learning Management System. Upon registration, you will receive an email from NYSCATE with instructions on how to enroll in your course. This course is self-paced and upon successful completion, you will be marked complete in PLM.

**Technology and Differentiation: A Match Made in Cyberspace (Online, Self Paced)** Program: LHRIC - Instructional Technology (Model Schools Courses) Dates: 10/2/2023 New

Tailoring instruction to meet the diverse learners in a classroom is challenging and time consuming, but can yield results for students that are life altering and empowering. Finding the right mix of tools, strategies and resources will help teachers attain the goal of meeting the needs of the students in the classroom. Technology has done much to assist in this somewhat daunting task. In this course, participants will review the principles of differentiation, explore data-gathering tools to assess students' entry points to learning, explore instructional models and technology tools that foster differentiated instruction, build a lesson that incorporates the learning gleaned from the course, and receive peer feedback on the product developed.

NOTE: This course is 100% online and will take approximately 6 hours to complete. This course begins on October 2, and participants have until October 25 to complete all required assignments and activities to receive CTLE credit.

LHRIC Model Schools utilizes the Schoology Learning Management System. Upon registration, you will receive a welcome message from your instructor with information on how your course works, what you can expect, how to get help along the way, and steps you need to take to enroll.

**Instructional Models for the 1:1 Classroom** Program: LHRIC - Instructional Technology (Model Schools Courses) Dates: 11/15/2023 New

Participants will examine and critique instructional models that have been implemented successfully in a technology-rich classroom environment. This examination will serve as a springboard for developing and designing your OWN lessons to use in your classroom in the coming school year. Some models that will

be explored include: Playlists, Choice Boards, HyperDocs, and more. Tools and templates will be shared and distributed.

**The Agile Classroom (Online, Self-Paced)**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 12/4/2023New

A student-centered approach, Agile classrooms emphasize collaboration, communication, self-organization, and social skills that will benefit them not only in the classroom, but through all areas of life. Agile Classrooms empowers you with an operating system for 21st Century Learning that provides structures to scaffold and adapt student choice and collaboration. Agile Classrooms are based on real-world approaches that the most innovative companies in the world use. In an Agile Classroom, your students are better able to meet the learning goals of today while being ready for the modern world of work they will enter. NOTE: This course is 100% online and will take approximately 3 hours to complete. This course begins on December 4, and participants have until December 18, to complete all required assignments and activities to receive CTLE credit. LHRIC Model Schools utilizes the Schoology Learning Management System. Upon registration, you will receive a welcome message from your instructor with information on how your course works, what you can expect, how to get help along the way, and steps you need to take in order to enroll.

**Technology and Differentiation: A Match Made in Cyberspace (Online, Self Paced)**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 3/4/2024New

Tailoring instruction to meet the diverse learners in a classroom is challenging and time consuming, but can yield results for students that are life altering and empowering. Finding the right mix of tools, strategies and resources will help teachers attain the goal of meeting the needs of the students in the classroom. Technology has done much to assist in this somewhat daunting task. In this course, participants will review the principles of differentiation, explore data-gathering tools to assess students' entry points to learning, explore instructional models and technology tools that foster differentiated instruction, build a lesson that incorporates the learning gleaned from the course, and receive peer feedback on the product developed.

NOTE: This course is 100% online and will take approximately 6 hours to complete. This course begins on March 4, 2024, and participants have until March 25 to complete all required assignments and activities to receive CTLE credit.

LHRIC Model Schools utilizes the Schoology Learning Management System. Upon registration, you will receive a welcome message from your instructor with information on how your course works, what you can expect, how to get help along the way, and steps you need to take to enroll.

**STEAM and SEL Working Together**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 10/17/2023New

STEAM and SEL work together (not as separate topics) but as a philosophy that is infused into the curriculum, to design creative, engaging and empathetic problem solvers. This workshop demonstrates how to combine STEAM and SEL into your daily curriculum making "Real World" connections that will inspire students to think critically and come up with their own solutions.

Professional Development Offerings from LHRIC

**Integrating PBL, STEM, SEL Into Curriculum**Program: LHRIC - Instructional Technology (Model Schools Courses)Dates: 10/18/2023New

Unleashing creativity and engaging all students while teaching the curriculum and addressing the standards This course will demonstrate how to enhance students critical thinking skills and motivate students to read, write and research. Integrating PBL, STEAM and SEL into the curriculum will promote independent learners and thinkers and raise the rigor in the classroom by promoting a collaborative problem solving community every day. At the end of this workshop you will leave with a working unit plan to use in your classroom addressing your needs as a teacher or administrator.