



**PBS TeacherLine®
New York**

online solutions for teacher professional development

**INSTRUCTIONAL
TECHNOLOGY**

INSTRUCTIONAL TECHNOLOGY SPRING & SUMMER COURSE LISTINGS

TECH145 Teaching with WebQuests for Grades K-12: Discover Internet resources that promote inquiry oriented student learning and smart use of the Web for research and class assignments. In this course, you will explore WebQuests and learn to integrate the Internet into your curriculum effectively. You will design a WebQuest to enhance a classroom unit or curriculum area to engage students in meaningful research. (30 hours: **Spring** and **Summer**)



TECH155 Collaborating on the Internet for Grades 4-8: Keypal online exchanges will open a world of cultural awareness, geographic knowledge and language skills for your students. This course will help you design a successful, collaborative keypal project for your own classroom so your students can connect with peers worldwide. (30 hours: **Summer**)

TECH160: Putting Technology to Use in the Classroom: Grades K – 12: Gain a better understanding of key issues surrounding technology integration, such as how to meet technology standards and choose the most suitable technology for a specific purpose. Identify lessons or concepts in your classroom that may benefit from technological enhancement. Learn to devise a strategy for integrating technology into your lesson plans. (30 hours: **Spring** and **Summer**)

TECH190: Contemporary Issues - Using Technology for Discussion, Debate, and Problem Solving in the Middle School Curriculum Grades 6 – 8: Technology can help students develop debate and problem-solving skills. This course introduces new strategies for incorporating current events, controversial issues, and pop culture into the curriculum. As a final task, create your own current events lesson plan that uses technology to foster understanding, discussion, and debate. If you want to bring contemporary issues into your social studies, humanities, or science classroom, this is your course! (30 hours: **Summer**)

TECH195: Teaching and Learning with Graphic Organizers Grades K -12: Electronic graphic organizers can help students organize ideas, convey complex concepts, progress through the steps of the writing process, and develop their mathematical and scientific thinking skills. Address different learning styles by presenting information in a visual format that shows the connections between concepts. Learn to apply such electronic graphic organizers as Inspiration© across the curriculum, throughout all grade levels, at learning stations, and in computer labs. Expand and enhance student thinking and learning for presentations and personal productivity. (30 hours: **Spring** and **Summer**)

TECH300: 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. (30 hours: **Spring** and **Summer**)

TECH305 Using Multimedia to Develop Understanding for Grades K-12: Help students in all grades use multimedia tools to demonstrate their authentic understanding of a subject. This course shows how Bloom's Taxonomy can help guide your assessment of a project's promotion of higher-level thinking skills. Learn to instill a strong understanding of content while promoting critical-thinking. Develop a project that integrates the use of multimedia in class assignments. (30 hours: **Spring**)

TECH310 The Classroom Computer as a Learning Station for Grades 1-8: You can guide students as they use technology, so they learn and accomplish more - and their research is more productive. Practice designing learning station activities and providing peer review support throughout the course. As your optional task, implement and revise one activity, reflect on the learning experience, and then develop a detailed plan for your new classroom learning station. (30 hours: **Spring**)

TECH315: Using the Computer for Cooperative Experiences: Grades K – 12: Expand cooperative learning through technology. In this course, you will explore three types of online cooperative experiences: tele-collaboration, WebQuests, and project-based learning. Examine the basic elements of each model and how to apply them to a project. As a final task, develop a teaching unit that employs one of the three models, including both an assessment rubric and an implementation plan. (30 hours: **Summer**)



TECH325: 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. (30 hours: **Spring**)

TECH330 Communicate and Collaborate Online for Grades K-12: Develop powerful skills for researching, evaluating and using online educational communication tools. Explore Web 2.0 tools such as Wikis, blogs, and social networking and media sites, as well as e-mail, discussion boards, and videoconferencing, while researching several collaborative classroom projects that use these tools. (30 hours: **Spring**)

TECH335: Publishing on the Web Grades K – 12: Master basic knowledge and skills needed for Web publishing. Examine school-based Web sites and other Web-publishing projects to identify both effective and ineffective presentations. Address key issues to help you understand basic requirements before embarking on Web-publishing activities in the classroom. An easy-to-use Web page template and basic HTML prompts are provided to help you complete your final task: creating an effective Web page. (30 hours: **Spring** and **Summer**)

TECH340: Evaluating and Organizing Internet Resources and Content Grades K – 12: Build the knowledge, skills, and insight to research, evaluate, and organize online classroom resources successfully. Explore the different types of material available online and the methods to evaluate them. Discuss some of the social and ethical issues posed by the Internet. Practice identifying appropriate online resources that support data-driven, problem-solving lesson plans. In your final assignment, gather, organize, and critically evaluate the content of several similar Web sites. (30 hours: **Summer**)

TECH401 Capstone Introduction: Planning a Technology Portfolio Grades K – 12: This course will start you on a path toward ISTE NETS-T proficiency. Through readings, examination of your own teaching practices and the ISTE NETS-T, and exploration of available technologies and sample technology-integration projects, you will increase your understanding of and comfort

with the NETS-T and their practical applications in the classroom. (30 hours: **Spring** and **Summer**)

TECH522 Online Facilitator Training: Mastering the Skill of Online Teaching Grades K – 12: Online facilitators take on many important roles and, thus, wear different managerial, technical, social, and pedagogical hats. Effective facilitators must know how to provide formative feedback, offer technical guidance, foster community, and communicate 'from the side' in a way that encourages learners to construct knowledge together. This course will formally introduce you to those roles and provide you with the opportunity to try on and practice wearing several of these hats. Through research-based articles and readings, discussions, collaborative projects, and other interactive experiences, you will have multiple opportunities to build and master online facilitation skills. A simulation environment (Facilitator Training Lab) will give you an opportunity to practice specific facilitator skills. To synthesize all your learning, you will create a case study based on the experiences of a hypothetical online facilitator as your final project. (45 hours: **Spring** and **Summer**)

Spring Semester Begins March 23rd
Registrations must be received by March 13th

Summer Semester Begins June 22nd
Registrations must be received by June 12th

Register online at: www.thinkbright.org/teacherline
For more information call: (716) 845-7000 ex 360

