



BPS INFORMATION AND DIGITAL LITERACY GOALS



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Inspiration

BPS Information and Digital Literacy goals should lead to

Active, Infused, Collaborative, Authentic, Goal Directed, and Transformative Learning Experiences

Critical Thinking and Problem Solving

Students ask the right questions and develop solutions to complex problems

Student Choice and Leadership

Students find and assess applications that provide opportunities to lead in the classroom and during engagement with the global community

Agility and Adaptability

Students adapt to the needs of changing digital environments and applications to meet the needs of their own educational development

Initiative and Entrepreneurialism

Students seek opportunities to lead, invent, and capitalize on ideas or creations

Curiosity and Imagination

Students use technology to explore and investigate personal interests



BPS INFORMATION AND DIGITAL LITERACY GOALS

Digital
Citizenship
and
Web Safety

Creativity
and
Innovation

Critical Thinking
and
Problem Solving

Lifelong Love
of Reading and
Learning

Cultural
and
Social
Understanding

Authentic
Goal Directed
Learning
Opportunities

Integrate

Evaluate

Access

Collaborate

Organize

Transform

Curate

Share

Seek and Share
with a Global
Audience

Collaborate
and Create
Digital Content

BPS EdTech Integration



Aspects

Results

Levels

Integration

ACTIVE

Students actively participate in educational activities in which technology is a ubiquitous tool used to instruct, engage, educate, create, and accomplish learning objectives.

ENTRY

Students use applications for the purpose of drill and practice type activities. Students usually work individually in fully guided technology lessons. Teacher uses technology to deliver or distribute curriculum materials.

COLLABORATIVE

Students use technology devices and applications to participate in engaging collaborative instruction and project based learning.

ADOPTION

Students interact with applications and during lessons for the purpose of completing a task. Students use teacher directed technology to solve problems and connect to curriculum content.

CONSTRUCTIVE

Students use technology devices and applications to help understand content and add authentic meaning to their education.

ADAPTATION

Students are able to choose or adapt digital tools that can help enhance collaborative activities. Students may be encouraged to use various tools for a specific task.

AUTHENTIC

Students use technology devices and applications to analyze, study, and solve real world problems. Students are immersed in Digital Citizenship opportunities.

INFUSION

Students use technology devices and applications consistently throughout curriculum. Students interact with each other and the community through authentic learning opportunities using technology as a foundational resource.

GOAL DIRECTED

Students use devices and applications to access, organize, evaluate, collaborate, transform and share educational concepts and curriculum content.

TRANSFORMATION

Students are encouraged to choose technology tools for student initiated investigations, discussions, or projects. Students display grade level skills and digital citizenship using devices and applications for any learning opportunity.

Burlington Public Schools Educators



Area	Characteristics	Goals
<p>DIGITAL CITIZENSHIP</p>	<p>Advocate and practice safe, legal, and responsible use of information and technology</p> <p>Demonstrate personal responsibility for lifelong learning</p> <p>Evaluate, Collaborate, Transform, and Share</p>	<ul style="list-style-type: none"> ☑ Demonstrate and maintain a positive digital footprint ☑ Define and demonstrate thorough understanding of Acceptable Use Policies ☑ Define and demonstrate copyright and fair use of digital media ☑ Define and demonstrate safe and appropriate use of social media ☑ Design and create dynamic, multimedia rich presentations for Creative Commons use ☑ Design a Digital Citizenship lesson for elementary and high school students ☑ Exhibit collaborative learning and build dynamic project workflows ☑ Model outstanding Digital Citizenship for entire school community
<p>TECHNOLOGY</p>	<p>Understand technology hardware and software and their application</p> <p>Exhibit a positive attitude toward using technology that supports collaboration, learning, and productivity</p> <p>Build and maintain a web space for instruction, sharing, communication, and collaboration</p>	<ul style="list-style-type: none"> ☑ Create, Curate, and Organize Open Educational Resources and digital content ☑ Design integrated and interactive web based lessons ☑ Implement a cloud based digital workflow in each classroom ☑ Identify appropriate tools and applications for connecting in digital spaces ☑ Identify the digital tools needed to prepare students for future academic or career goals ☑ Develop outstanding troubleshooting skills and seek answers to technology related issues ☑ Develop digital media projects ☑ Guide students on progress with BPS Student Digital Portfolios ☑ Use web based tools to communicate with experts and peers of a global audience
<p>INFORMATION AND MEDIA LITERACY</p>	<p>Engage in the information literacy process: access, evaluate, and communicate informational text</p> <p>Use a variety of skills and strategies to comprehend nonfiction and informational text</p> <p>Access, curate, and organize information and media</p>	<ul style="list-style-type: none"> ☑ Evaluate and select information sources and digital tools based on appropriateness to specific tasks ☑ Develop powerful strategies to guide inquiry and problem solving ☑ Transfer current knowledge to learning of new technologies ☑ Use multiple processes and diverse perspectives to explore alternative solutions ☑ Use models and simulations to explore complex systems and issues ☑ Develop lessons and curriculum materials by using OER materials and digital content ☑ Define and navigate virtual worlds ☑ Demonstrate sophisticated ways to manipulate images and visual content in a variety of applications ☑ Develop online reading and etext skills
<p>LOVE OF READING</p>	<p>Provide access to exciting and engaging literature in a comfortable and welcoming learning environment</p> <p>Encourage reading for a variety of purposes and across content areas</p> <p>Encourage independent reading and exploration</p>	<ul style="list-style-type: none"> ☑ Exhibit characteristics of lifelong learning and enjoyment of reading ☑ Refer to blogs, websites, online book clubs, and print resources that guide literature choices ☑ Evaluate grade level appropriate quality literature ☑ Engage in technical reading

Kindergarten - Grade 2



Area	Characteristics	Goals
DIGITAL CITIZENSHIP	<p>Understand and practice appropriate and safe uses of information and technology</p> <p>Demonstrate personal responsibility for lifelong learning</p>	<ul style="list-style-type: none"> ☑ Use technology to explore personal interests ☑ Collaborate in a positive and productive way using digital tools ☑ Use technology responsibly explaining the difference between appropriate and inappropriate online behavior ☑ Explain simple ways to protect identity online (logins, protecting personal information, etc.) ☑ Demonstrate to others how to use technology tools in ways that assist others in learning
TECHNOLOGY	<p>Understand basic technology hardware and software and their applications</p> <p>Exhibit a positive attitude toward using technology that supports collaboration, learning, and productivity</p>	<ul style="list-style-type: none"> ☑ Demonstrate proper handling of devices ☑ Use a variety of input devices and keyboarding options ☑ Use provided technology resources to practice content area skills ☑ Demonstrate the ability to navigate in virtual environments (ebooks, applications, websites) ☑ Create digital content which includes text and images in different formats (word processing, presentations, ebooks, etc) ☑ Explore introductory coding and robotics applications ☑ Add content to BPS Student Digital Portfolio
INFORMATION AND MEDIA LITERACY	<p>Engage in the information literacy process: access, evaluate, organize, and communicate information and ideas</p> <p>Use a variety of skills and strategies to comprehend nonfiction and informational text</p> <p>Use digital tools and resources to investigate real-world issues, answer questions, or solve problems</p>	<ul style="list-style-type: none"> ☑ Demonstrate respect for library materials and follow proper library procedures ☑ Use library digital catalogs or databases to locate information sources with guidance ☑ Ask questions that require research to answer ☑ Identify the parts of a book (author, title, illustrator, publisher, copyright date, front cover, back cover, spine, and spine label) ☑ Identify the elements of nonfiction and informational texts (table of contents, index, glossary, illustrations, captions, headings, bold words, and electronic menus) ☑ Use information gained from the illustrations and words in a print or digital text to demonstrate understanding, including using a simple note taking strategy with guidance ☑ Demonstrate respect for other people's work by creating simple citations ☑ Explain the difference between fiction and nonfiction ☑ Combine text and images in appropriate ways to demonstrate understanding ☑ Develop online reading and etext skills
LOVE OF READING	<p>Read for a variety of purposes and across content areas</p> <p>Independently read a variety of books and texts each year</p>	<ul style="list-style-type: none"> ☑ Choose books according to interest and reading level ☑ Identify basic genres of literature and stories ☑ Share information about books and authors ☑ Evaluates grade appropriate quality children's literature

Grade 3 - Grade 5



Area	Characteristics	Goals
<p>DIGITAL CITIZENSHIP</p>	<p>Understand and practice appropriate and safe uses of information and technology</p> <p>Demonstrate personal responsibility for lifelong learning</p>	<ul style="list-style-type: none"> ☑ Use technology to responsibly explore personal interests ☑ Help peers with digital technologies ☑ Collaborate in a positive and productive way using digital tools ☑ Demonstrate appropriate online safety (create strong passwords, protect personal information, etc) ☑ Communicate responsibly and understand the consequences of inappropriate communications ☑ Demonstrate a basic understanding of Appropriate Use Policies
<p>TECHNOLOGY</p>	<p>Understand basic technology hardware and software and their applications</p> <p>Exhibit a positive attitude toward using technology that supports collaboration, learning, and productivity</p>	<ul style="list-style-type: none"> ☑ Write, edit, revise, and publish work using a range of devices and keyboarding skills ☑ Use technology to develop understanding of topic in all content areas ☑ Create visually pleasing and well organized multimedia content to demonstrate understanding in all content areas ☑ Suggest and use appropriate technology tools to accomplish particular tasks ☑ Conceptualize, guide, and manage learning projects using digital planning tools with teacher support ☑ Explore basic coding and robotics controller applications and devices for problem solving ☑ Add content to BPS Student Digital Portfolio
<p>INFORMATION AND MEDIA LITERACY</p>	<p>Engage in the information literacy process: access, evaluate, organize, and communicate information and ideas</p> <p>Use a variety of skills and strategies to comprehend nonfiction and informational text</p> <p>Use digital tools and resources to investigate real-world issues, answer questions, or solve problems</p>	<ul style="list-style-type: none"> ☑ Develop and refine a range of questions to frame the inquiry process ☑ Evaluate print and digital resources for usefulness ☑ Demonstrate the ability to locate an answer to a question quickly or to solve a problem efficiently, drawing on information from multiple print or digital sources ☑ Demonstrate understanding of simple concepts of copyright, plagiarism, and Creative Commons including citing sources ☑ Use and evaluate primary sources ☑ Develop various note taking strategies and determine the best strategy for the information need ☑ Identify and access resources in the library catalog or databases including ebooks ☑ Use evidence to support analysis, reflection, and research ☑ Develop online reading and etext skills
<p>LOVE OF READING</p>	<p>Read for a variety of purposes and across content areas</p> <p>Independently read a variety of books and texts each year</p>	<ul style="list-style-type: none"> ☑ Share information about authors and books using various formats ☑ Read independently from different genres of literature and stories ☑ Evaluate grade appropriate quality children's literature

Grade 6 - Grade 8



Area	Characteristics	Goals
<p>DIGITAL CITIZENSHIP</p>	<p>Advocate and practice safe, legal, and responsible use of information and technology</p> <p>Demonstrate personal responsibility for lifelong learning</p> <p>Evaluate, Collaborate, Transform, and Share</p>	<ul style="list-style-type: none"> ☑ Demonstrate and maintain a positive digital footprint ☑ Use technology responsibly to explore personal interests ☑ Help peers and adults with digital technologies ☑ Collaborate in a positive and productive way using digital tools ☑ Recognize digital resources that are copyright free ☑ Debate benefits and safety concerns of contributing information online ☑ Demonstrate understanding of concepts of copyright and Creative Commons, ☑ Demonstrate ethical use of information by citing sources and create original works to avoid plagiarism ☑ Demonstrate an understanding of Acceptable Use Policies ☑ Understand the consequences when people use inappropriate communication online
<p>TECHNOLOGY</p>	<p>Understand technology hardware and software and their application</p> <p>Exhibit a positive attitude toward using technology that supports collaboration, learning, and productivity</p>	<ul style="list-style-type: none"> ☑ Understand and use effectively web tools, applications, and devices ☑ Show others how to use technology devices and applications effectively ☑ Troubleshoot systems and applications ☑ Seek answers to technology questions using online resources ☑ Transfer current knowledge to learning of new technologies ☑ Use digital resources to plan and manage activities to develop a solution or complete a project ☑ Develop and understand graphs, charts, and data driven content ☑ Code and control robotics devices through the use of various applications for problem solving ☑ Add content to BPS Student Digital Portfolio
<p>INFORMATION AND MEDIA LITERACY</p>	<p>Engage in the information literacy process: access, evaluate, and communicate informational text</p> <p>Use a variety of skills and strategies to comprehend nonfiction and informational text</p> <p>Access, curate, and organize information and media</p>	<ul style="list-style-type: none"> ☑ Evaluate and select information sources and digital tools based on appropriateness to specific tasks ☑ Use and evaluate primary sources ☑ Plan strategies to guide inquiry ☑ Collect and analyze data to identify solutions and/or make informed decisions ☑ Interact, collaborate, and publish with peers and experts, employing a variety of digital solutions ☑ Communicate information and ideas effectively to multiple audiences ☑ Develop cultural understanding and global awareness by engaging with learners of other cultures ☑ Contribute to project teams to produce original works or solve problems ☑ Identify and define authentic problems and questions for investigation ☑ Develop online reading and etext skills
<p>LOVE OF READING</p>	<p>Access to exciting and engaging literature in a comfortable and welcoming learning environment</p> <p>Read for a variety of purposes and across content areas</p> <p>Independently read books and texts each year</p>	<ul style="list-style-type: none"> ☑ Access blogs, websites, and online resources that help guide literature choices ☑ Connection with others in the community to develop a greater interest in reading ☑ Demonstrate the ability to collaborate within literature circles, paired shared reading, or book clubs ☑ Read from a variety of formats including digital and print formats

Grade 9 - Grade 12



Area	Characteristics	Goals
<p>DIGITAL CITIZENSHIP</p>	<p>Advocate and practice safe, legal, and responsible use of information and technology</p> <p>Demonstrate personal responsibility for lifelong learning</p> <p>Evaluate, Collaborate, Transform, and Share</p>	<ul style="list-style-type: none"> ☑ Demonstrate and maintain a positive digital footprint ☑ Define and demonstrate thorough understanding of Acceptable Use Policies ☑ Define and demonstrate copyright and fair use of digital media ☑ Define and demonstrate safe and appropriate use of social media ☑ Design and create dynamic, multimedia rich presentations for Creative Commons use ☑ Design a Digital Citizenship lesson for elementary and high school students ☑ Exhibit collaborative learning and build dynamic project workflows ☑ Model outstanding Digital Citizenship for the entire school community
<p>TECHNOLOGY</p>	<p>Understand technology hardware and software and their application</p> <p>Exhibit a positive attitude toward using technology that supports collaboration, learning, and productivity</p>	<ul style="list-style-type: none"> ☑ Understand key differences between various web tools and devices ☑ Design web based applications or content for digital spaces ☑ Identify appropriate tools and applications for connecting in digital spaces ☑ Identify and learn about the digital tools needed for college or the work place ☑ Develop outstanding troubleshooting skills and seek answers to technology related issues ☑ Create digital media projects ☑ Code and control robotics devices with application based on solving tasks and objectives ☑ Complete progress on the BPS Student Digital Portfolio ☑ Use various web tools or applications to communicate with experts and peers of a global audience ☑ Use various web tools or applications to collaborate with a global audience
<p>INFORMATION AND MEDIA LITERACY</p>	<p>Engage in the information literacy process: access, evaluate, and communicate informational text</p> <p>Use a variety of skills and strategies to comprehend nonfiction and informational text</p> <p>Access, curate, and organize information and media</p>	<ul style="list-style-type: none"> ☑ Evaluate and select information sources and digital tools based on appropriateness to specific tasks ☑ Develop powerful strategies to guide inquiry and problem solving ☑ Transfer current knowledge to learning of new technologies ☑ Use multiple processes and diverse perspectives to explore alternative solutions ☑ Use models and simulations to explore complex systems and issues ☑ Identify trends and forecast possibilities ☑ Define and navigate virtual worlds ☑ Demonstrate sophisticated ways to manipulate images and visual content in a variety of applications ☑ Develop online reading and etext skills
<p>LOVE OF READING</p>	<p>Access to exciting and engaging literature in a comfortable and welcoming learning environment</p> <p>Read for a variety of purposes and across content areas</p> <p>Independently read books and texts each year</p>	<ul style="list-style-type: none"> ☑ Exhibit characteristics of lifelong learning and enjoyment of reading ☑ Refer to blogs, websites, online book clubs, and print resources that guide literature choices ☑ Evaluate grade level appropriate quality literature ☑ Engage in technical reading