




# District Instructional Technology Quick-Reference

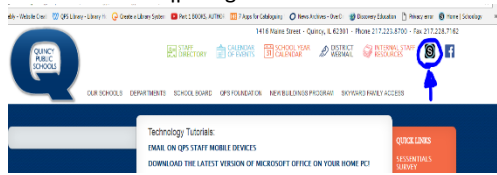


	<b>ALEKS Mathematics</b> (Accessible to Teachers & Students Grades 3-12)	<b>Defined STEM</b> (Accessible to Teachers & Students Grades K-12)	<b>EBSCO</b> (Accessible to Teachers & Students Grades K-12)	<b>Discovery Education</b> (Accessible to Teachers & Students Grades 4-12)
<b>Brief Description</b>	Assessment and Learning in Knowledge Spaces is a Web-based, artificially intelligent assessment and learning system. ALEKS uses adaptive questioning to quickly and accurately determine exactly what a student knows and doesn't know in a course. ALEKS then instructs the student on the topics she is most ready to learn. As a student works through a course, ALEKS periodically reassesses the student to ensure that topics learned are also retained. ALEKS courses are very complete in their topic coverage and ALEKS avoids multiple-choice questions. A student who shows a high level of mastery of an ALEKS course will be successful in the actual course she is taking.	Defined STEM is a web-based application designed to promote rigorous and relevant connections between classroom content, highlighting STEM content and real-world applications including career pathways. Defined STEM enables teachers to provide application of knowledge to students through the use of project-based tasks, real-world careers, and meaningful reading and writing activities.	Premium online information resource. Provides high quality, reliable educational resources including full text articles from scholarly journals, magazines, newspapers, and other sources.	Online educational resource that provides access to comprehensive access to engaging digital content in all subject areas.
<b>Why?</b>	<ul style="list-style-type: none"> <li>ALEKS Mathematics is a personalized mathematics resource</li> <li>Students can access from home or school</li> <li>Teachers are given reports on student growth</li> <li>Provides an additional layer of support for mathematics for all students</li> </ul>	Defined STEM is a Project-Based Learning Resource is research-based and provides teachers resources in planning for PBL. PBL increases student engagement and encourages critical thinking skills and 21 <sup>st</sup> Century Skills.	<ul style="list-style-type: none"> <li>Safe, reliable, scholarly information for research needs</li> <li>Provides in text citations</li> <li>Searchable by reading level</li> <li>Text to speech option available</li> </ul>	<ul style="list-style-type: none"> <li>To provide rich digital content in the classroom</li> <li>To engage students with hands—on technology</li> <li>Showcase critical thinking skills through multi-media posters</li> </ul>
<b>What?</b>	<ul style="list-style-type: none"> <li>Personalized web-based learning resource for students</li> <li>Instructional resource based on student needs</li> </ul>	Defined STEM has a PD Center where you can find information that can help you implement Defined STEM resources including performance tasks, literacy tasks, constructed responses, and career videos in the classroom. Find instructional videos and other materials that will provide explanations, suggestions, and helpful tips for ways to utilize Defined STEM with students in the classroom.	<ul style="list-style-type: none"> <li>Database of full text articles, journals, newspapers</li> <li>Databases designed for elementary level</li> <li>Databases designed for secondary level</li> </ul>	<ul style="list-style-type: none"> <li>Vast Streaming Digital Media Library</li> <li>Teacher resources including virtual fieldtrips, lessons plans, Interactive Training Modules and more</li> <li>Discovery Board Builder: Create Multi-Media Digital Posters and presentations</li> <li>Classroom set up with class rosters</li> </ul>
<b>When?</b>	<ul style="list-style-type: none"> <li>Teachers determine how and when to incorporate ALEKS Mathematics with students based on School Goals and student needs</li> </ul>	<ul style="list-style-type: none"> <li>Throughout the school year</li> <li>Science resource</li> <li>STEM resource</li> <li>Integration in ELA</li> </ul>	<ul style="list-style-type: none"> <li>When conducting educational research</li> <li>When looking for current events</li> <li>When looking for argumentative point/counterpoint information</li> </ul>	<ul style="list-style-type: none"> <li>Transforming your classroom through Virtual Fieldtrips</li> <li>When creating multi-media presentations</li> <li>When providing supplemental resources through DE's vast video library.</li> </ul>
<b>How?</b>	<ul style="list-style-type: none"> <li>Building principal or designee issues ALEKS teacher subscriptions through Julie Stratman</li> <li>If additional subscriptions are needed the building principal and/or teacher should contact Cami Mock at <a href="mailto:mockca@qps.org">mockca@qps.org</a></li> </ul>	<ul style="list-style-type: none"> <li>Open <a href="http://www.definedstem.com/index.cfm">http://www.definedstem.com/index.cfm</a></li> </ul>  <ul style="list-style-type: none"> <li>Login using your Defined STEM credentials. If you do not know your credentials, please contact Michaela Fray or Heather Colombo.</li> </ul>	<ul style="list-style-type: none"> <li>Open library site at <a href="http://qpslibrary.weebly.com">qpslibrary.weebly.com</a></li> <li>Click the "Research" tab</li> <li>Select "Databases"</li> <li>Click on any of the "EBSCO" icons</li> <li>Login is automatic in district.</li> <li><b>Log:</b> bludevils <b>Pass:</b> gobblue from home</li> </ul>	<ul style="list-style-type: none"> <li>Go to <a href="http://Discoveryeducation.com">Discoveryeducation.com</a></li> <li>Login with district credentials</li> <li>Login with SSO through Google</li> <li>Initial login passcode available at <a href="http://qpslibrary.weebly.com/discovery-education.html">http://qpslibrary.weebly.com/discovery-education.html</a></li> </ul>



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	<b>Follett</b>	<b>Gizmo</b>	<b>Nearpod</b> (Accessible to teachers grades K-12 and accessible for teachers to use with students in grades K-12. Currently, District Science Leadership Team Members have Extended Access.)	<b>Schoology</b> <b>Learning Management System (LMS)</b> (Accessible to teachers grades K-12 and accessible for teachers to use with students in courses grade 6-12)
<b>Brief Description</b>	Online Library Management System containing the district library card catalog of print and digital resources.	Online, interactive tool designed for math and science grades 3-12 that allow extensive manipulation of variables and "what-if" experimentation.	Nearpod is an interactive presentation and assessment tool that can be used to amazing effect in the classroom. The app's concept is simple. A teacher can create presentations that can contain Quiz's, Polls, Videos, Images, Drawing-Boards, Web Content and so on	Online Learning Management System that incorporates Assessment Management tools along with a dynamic collaborative online classroom environment designed for K-12 and higher education.
<b>Why?</b>	<ul style="list-style-type: none"> <li>Follett's Universal search allows you to search QPS print, digital, and district resources using a single search query.</li> </ul>	<ul style="list-style-type: none"> <li>Visualize and analyze virtual math and science simulations to bring powerful hands-on learning experiences to the classroom.</li> <li>Over 400 simulations available without the need for additional supplies and equipment.</li> <li>Aligns with latest science and math standards.</li> </ul>	<ul style="list-style-type: none"> <li>To increase student engagement and participation in instruction</li> <li>Provide an interactive lesson</li> </ul>	<ul style="list-style-type: none"> <li>Create, manage, and share resources</li> <li>Collaborative online discussions within a single classroom, or between multiple classes.</li> <li>Create and grade assessments online for instant feedback.</li> <li>Save and share course materials with other courses.</li> <li>Differentiate instruction within courses.</li> <li>Create collaborative professional development groups.</li> </ul>
<b>What?</b>	<ul style="list-style-type: none"> <li>OPAC: Online Patron Access allows patrons to browse the library collection of print and digital resources.</li> <li>Self-checkout is available for digital resources.</li> </ul>	<ul style="list-style-type: none"> <li>Virtual math and science simulations that use an inquiry-based approach to learning.</li> <li>Subscriptions are currently available to select science teachers.</li> </ul>	<ul style="list-style-type: none"> <li>Simply upload a pdf or start a new presentation and add interactive features</li> <li>Find free and paid interactive multimedia presentations from distinguished educators</li> <li>Multimedia content captures students' attention, keeping them focused and minimizing off-task behavior</li> <li>Include quizzes, polls, slideshows, videos and other activities in your lessons</li> <li>Observe classroom activity and easily control students' devices</li> <li>Your students can join your Nearpod session from anywhere</li> </ul>	<ul style="list-style-type: none"> <li>Online Student Learning Management System</li> <li>Assessment tool</li> <li>Collaborative classroom or professional workspace.</li> </ul>
<b>When?</b>	<ul style="list-style-type: none"> <li>Online card catalog search is available 24/7 to locate materials.</li> <li>E-books self-checkout is available 24/7</li> <li>Follett OneSearch is available 24/7</li> </ul>	<ul style="list-style-type: none"> <li>When conducting hands-on research and experimentation with limited resources.</li> <li>When using inquiry-based learning for students to build a deeper conceptual understanding.</li> </ul>	<ul style="list-style-type: none"> <li>Incorporate Nearpod in any lesson</li> <li>Engage students in self-paced lessons or live lessons</li> </ul>	<ul style="list-style-type: none"> <li>Throughout the school year</li> <li>Professional Learning Communities</li> <li>Collaborative Group discussions</li> <li>Assessments with instant feedback</li> </ul>
<b>How?</b>	<ul style="list-style-type: none"> <li>Visit the QPS library website at <a href="http://qpslibrary.weebly.com">qpslibrary.weebly.com</a> and select your school. You may also visit the library link on each school homepage.</li> <li>Use the search bar to locate materials</li> <li>Narrow your search using various limiters such as lexile level, material type, subject, etc.</li> </ul>	<ul style="list-style-type: none"> <li>Go to <a href="https://www.explorelearning.com/">https://www.explorelearning.com/</a></li> <li>Click on login: use district login</li> <li>Teachers with subscriptions create virtual classrooms with their class rosters.</li> <li>Quick links are in the process of being added to QPS Library page and Schoology.</li> </ul>	<ul style="list-style-type: none"> <li>Sign-Up for a Free Nearpod Account</li> <li>Collaborate with your Science Representative from the District Science Leadership Team to explore Nearpod capabilities.</li> </ul>	<ul style="list-style-type: none"> <li>On the QPS home page select the "S" icon on the upper right side of the page.</li> <li><a href="http://www.qps.org">www.qps.org</a></li> </ul>  <ul style="list-style-type: none"> <li>Staff Login using your district email and password.</li> <li>Students Login using <a href="mailto:ID#@my.qps.org">ID#@my.qps.org</a> and network password.</li> </ul>