## INSTRUCTIONALLY APPROPRIATE TECHNOLOGY INTEGRATION FRAMEWORK (IATI)

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>REVISED BLOOM'S TAXONOMY LEVELS (Learning Objectives)</th>
<th>ESSENTIAL CHARACTERISTICS (Instructional Purpose)</th>
<th>DIGITAL TECHNOLOGY TOOL EXAMPLES (Tools are interchangeable and can be used for more than one category.)</th>
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</table>
| Acquisition & Investigation Tools | REMEMBERING recognizing, listing, describing, identifying, retrieving, locating, finding | Capture information | - devices (e.g. camera, scanner, smartphone)  
- screen capturing (e.g. Screenshot, Jing, Screenr, QR Code generators and QR readers) |
|                        | Collect information | Collect information | - online bookmarking (e.g. Diigo, Zotero, Pinterest, Juxtapost)  
- online image databases (e.g. Flickr, Google Art Project)  
- online video databases (e.g. YouTube, Vimeo, Teacher Tube)  
- online notebook creators (e.g. EverNote, DropBox, GoogleDrive)  
- crowdsourcing data (e.g. iNaturalist, iDigBio) |
| Presentation & Remixing Tools | UNDERSTANDING interpreting, summarizing, inferring, paraphrasing, classifying, comparing, explaining, exemplifying | Alter existing content | - multimedia generators (e.g. Animoto, Magisto)  
- video slicing (e.g. TED-Ed, TubeChop)  
- word cloud generators (e.g. Wordle, Tagxedo, Jason Dave’s Word Tree) |
| Discussion & Reflection Tools | APPLYING implementing, carrying out, using, outlining, executing | Present information | - presentation applications (e.g. PowerPoint, Prezi, GoogleSlides, HaikuDeck)  
- poster/graphic design creators (e.g. Canva, Piktochart)  
- webpage creators (e.g. Glogster, Padlet, TACKK)  
- wiki applications (e.g. PBworks, Wikispaces)  
- blogging applications (e.g. WordPress, Blogger, Weebly) |
| Creation & Editing Tools | CREATING designing, constructing, producing, inventing, devising, making | Generate original artifacts | - book creators (e.g. Snapfish, Smashwords, Storybird, Pixton Comics, Comic Creator)  
- audio editing (e.g. Audacity, Podomatic, Podcastomatic)  
- video editing (e.g. iMovie, Movie Maker, FileLab’s Video Editor)  
- animation applications (e.g. GoAnimate, PowToon)  
- computer programming (e.g. Scratch, Scratch Jr., Hopscotch)  
- 3D modeling (e.g. Autodesk 123d, TinkerCAD)  
- screencasting applications (e.g. Jing, Screencast-o-matic)  
- drawing applications (e.g. Pixlr, SumoPaint, Inkscape, Gimp)  
- video game creators (e.g. Gamestar Mechanic, Sploder)  
- app makers (e.g. AppMakr, Infinite Monkeys)  
- music creators (e.g. MusicMakerJam, UJamm) |

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