Chapter 4: Construction of Knowledge

Technology by Rigor/Relevance Quadrant

**Creating**
- Can the student create new products or points of view?

**Evaluating**
- Can the student justify a stand or decision?

**Analyzing**
- Can the student distinguish between the different parts?

**Applying**
- Can the student use the information in a new way?

**Understanding**
- Can the student explain ideas or concepts?

**Remembering**
- Can the student recall or remember the information?

---

**Knowledge Taxonomy Model**

**1. Knowledge in One Discipline**
- Application to predictable situations

**2. Application Across Disciplines**
- Application to predictable situations

**3. Application Across Disciplines**
- Application to unpredictable situations

**4. Application Across Disciplines**
- Application to unpredictable situations

**5. Application Across Disciplines**
- Application to unpredictable situations

---

**Technology Use By Quadrant**

**Knowledge in One Discipline**
- Application to predictable situations

**Application Across Disciplines**
- Application to predictable situations

**Application Across Disciplines**
- Application to unpredictable situations

**Application Across Disciplines**
- Application to unpredictable situations

---

**Examples**
- Animating
- Audio Casting
- Blog Commenting
- Broadcasting
- Collaborating
- Composing—GarageBand
- Digital Storytelling
- Directing
- Mashing-Mixing/Remixing
- Modifying/Game Modding
- Networking
- Photo/Video Blogging
- Podcasting
- Reviewing

**Verbs**
- Argue
- Conclude
- Create
- Explore
- Invent
- Modify
- Plan
- Predict
- Rate

**Examples**
- Hyperlinking
- Media Clipping/Cropping
- Monitoring
- Photos/Video
- Programming
- Reverse Engineering
- Software Cracking
- Testing
- Validating Resources
- Video Editing

**Verbs**
- Analyze
- Classify
- Diagram
- Evaluate
- Examine
- Explain
- Infer
- Judge
- Research
- Summarize

**Examples**
- Bullets & Lists
- Creating & Naming Folders
- Editing
- Highlighting/Selecting
- Internet Searching
- Loading
- Typing
- Using a Mouse
- Word Doc

**Verbs**
- Define
- Identify
- Label
- List
- Locate
- Memorize
- Name
- Recite
- Record
- Select

**Examples**
- Advanced Searching
- Annotating
- Blogs
- Google Docs
- Hacking
- Operating/Running a Program
- Posting—Social Media
- Replying—Commenting
- Sharing
- Social Bookmarking
- Subscribing to RSS feed
- Tagging
- Texting
- Uploading
- Web Authoring