

The "5-by-5" Model of Electronic Portfolio Development - Overview of Technology Options

© 2000, Helen C. Barrett	Stages of Electronic Portfolio Development				
	<p style="text-align: center;">1</p> <p style="text-align: center;">Defining the Portfolio Context & Goals</p> <p>Identify: the portfolio's purpose and audience; the standards (goals) or organizing framework; the resources available (hardware, software, level of technology skills). Select the appropriate level/technology to begin.</p>	<p style="text-align: center;">2</p> <p style="text-align: center;">The Working Portfolio</p> <p>Identify, collect and store portfolio artifacts based on purpose/audience/goals. Interject personality into the portfolio design by using appropriate multimedia to add style and individuality to the portfolio.</p>	<p style="text-align: center;">3</p> <p style="text-align: center;">The Reflective Portfolio</p> <p>Select the artifacts that represent achievement of standards/goals. Reflect on why artifacts were selected, indicating meaning and value to the portfolio. Project learning goals for the future (direction).</p>	<p style="text-align: center;">4</p> <p style="text-align: center;">The Connected Portfolio</p> <p>Organize the digital artifacts. Create hypermedia links between goals, artifacts, reflections. Identify patterns through the "linking" process.</p>	<p style="text-align: center;">5</p> <p style="text-align: center;">The Presentation Portfolio</p> <p>Record the portfolio to an appropriate presentation and storage medium. Share the portfolio with an appropriate audience.</p>
<p>Levels of Portfolio Development (based on level of difficulty)</p>					
<p>1 - Text only. All documents are in digital file formats, using word processing or other commonly-used software, and stored in electronic folders on a hard drive, floppy diskette or LAN server.</p>	<p><i>Development Software:</i> Any Word Processor</p>	<p><i>Development Software:</i> Any Word Processor</p>	<p><i>Development Software:</i> Any Word Processor</p>	<p><i>Development Software:</i> Microsoft Word (linking to other Word documents) AppleWorks (linking to other Works documents)</p>	<p><i>Storage/Publishing Tools:</i> Zip Disk or Floppy Diskette or Hard Drive or Server</p>
<p>2a - With Graphics. Portfolio data is entered into a structured format, such as a database or HyperStudio template or slide show (PowerPoint or AppleWorks) and stored on a hard drive, Zip, floppy diskette or LAN server. Video may be collected in analog form on video tape. Presentation portfolio may also be recorded on video tape.</p>	<p><i>Development Software:</i> Database PowerPoint or slide show HyperStudio</p> <p>Inspiration (mind mapping software)</p>	<p><i>Development Software:</i> Graphics software Database PowerPoint or slide show HyperStudio</p> <p>Digital still camera</p>	<p><i>Development Software:</i> Database PowerPoint or slide show HyperStudio</p>	<p><i>Development Software:</i> HyperStudio</p>	<p><i>Storage/Publishing Tools:</i> Videotape (digital-to-analog conversion)</p>
<p>2b - With Audio & Video Portfolio incorporates digitized audio and video artifacts linked to the portfolio, and stored on CD-ROM or server.</p>		<p>Audio capturing software Video capturing software (analog-to-digital conversion)</p>	<p>Audio editing software Video editing software</p>		<p><i>Storage/Publishing Tools:</i> CD-ROM</p>
<p>3 - With Navigational links Documents are translated into Portable Document Format with "hyper-links" between standards, artifacts, and reflections using Adobe Acrobat Exchange and stored on a hard drive, Zip, Jaz, CD-R/W, or LAN server.</p>		<p><i>Conversion Software:</i> Adobe PDFWriter or PrintToPDF (Mac only) Acrobat Distiller</p>		<p><i>Development/Editing Software:</i> Adobe Acrobat Exchange</p>	<p><i>Storage/Publishing Tools:</i> CD-ROM</p>
<p>4 - With WWW links Documents are translated into HTML, complete with "hyper-links" between standards, artifacts, and reflections, using a web authoring program (i.e., Netscape Composer, Adobe PageMill or CyberStudio, Macromedia Dreamweaver) and posted to a WWW server.</p>		<p><i>Development & Publishing Software:</i> HTML authoring software</p>	<p><i>Development & Publishing Software:</i> HTML authoring software</p>	<p><i>Development & Publishing Software:</i> HTML authoring software PowerPoint*</p>	<p><i>Storage/Publishing Tools:</i> WWW Server</p>
<p>5 - With Interactive Multimedia Portfolio is organized with a multimedia authoring program, incorporating digital sound and video is converted to digital format and pressed to CD-R/W or posted to WWW in streaming format.</p>		<p><i>Development & Publishing Software:</i> Macromedia Director</p>	<p><i>Development & Publishing Software:</i> Macromedia Director</p>	<p><i>Development & Publishing Software:</i> Macromedia Director</p>	<p><i>Storage/Publishing Tools:</i> Streaming Server</p>