

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

© 2000, Helen C. Barrett	Stages of Electronic Portfolio Development				
Levels of Portfolio Development (based on level of difficulty)	<p style="text-align: center;"><b>1</b></p> <p style="text-align: center;"><b>Defining the Portfolio Context &amp; Goals</b></p> <p>Identify: the portfolio's <b>purpose</b> and <b>audience</b>; the <b>standards</b> (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;"><b>2</b></p> <p style="text-align: center;"><b>The Working Portfolio</b></p> <p>Identify, <b>collect</b> and store portfolio artifacts based on purpose/audience/goals. <b>Interject</b> personality into the portfolio design by using appropriate multimedia to add style and individuality to the portfolio.</p>	<p style="text-align: center;"><b>3</b></p> <p style="text-align: center;"><b>The Reflective Portfolio</b></p> <p><b>Select</b> the artifacts that represent achievement of standards/goals. <b>Reflect</b> on why artifacts were selected, indicating meaning and value to the portfolio. Project <b>learning goals</b> for the future (direction).</p>	<p style="text-align: center;"><b>4</b></p> <p style="text-align: center;"><b>The Connected Portfolio</b></p> <p><b>Organize the digital artifacts.</b> Create <b>hypermedia links</b> between goals, artifacts, reflections. <b>Identify patterns</b> through the "linking" process.</p>	<p style="text-align: center;"><b>5</b></p> <p style="text-align: center;"><b>The Presentation Portfolio</b></p> <p><b>Record</b> the portfolio to an appropriate presentation and storage medium. <b>Share</b> the portfolio with an appropriate audience.</p>
<p><b>1 - Text only.</b></p> <p>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><b>2a - With Graphics.</b></p> <p>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><b>2b - With Audio &amp; Video</b></p> <p>Portfolio incorporates digitized audio and video artifacts linked to the portfolio, and stored on CD-ROM or server.</p>		<p>Audio capturing software</p> <p>Video capturing software (analog-to-digital conversion)</p>	<p>Audio editing software</p> <p>Video editing software</p>		<p><i>Storage/Publishing Tools:</i> CD-ROM</p>
<p><b>3 - With Navigational links</b></p> <p>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><b>4 - With WWW links</b></p> <p>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 &amp; Publishing Software:</i> HTML authoring software</p>	<p><i>Development &amp; Publishing Software:</i> HTML authoring software</p>	<p><i>Development &amp; Publishing Software:</i> HTML authoring software</p> <p>PowerPoint*</p>	<p><i>Storage/Publishing Tools:</i> WWW Server</p>
<p><b>5 - With Interactive Multimedia</b></p> <p>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 &amp; Publishing Software:</i> Macromedia Director</p>	<p><i>Development &amp; Publishing Software:</i> Macromedia Director</p>	<p><i>Development &amp; Publishing Software:</i> Macromedia Director</p>	<p><i>Storage/Publishing Tools:</i> Streaming Server</p>