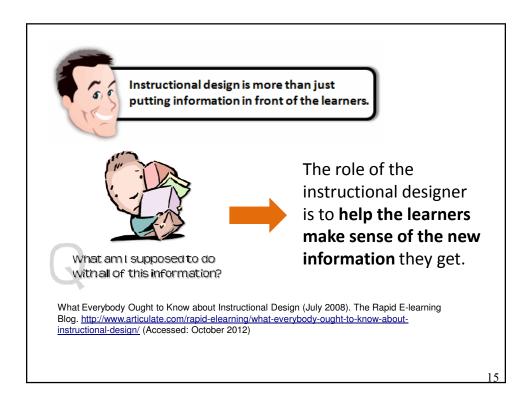


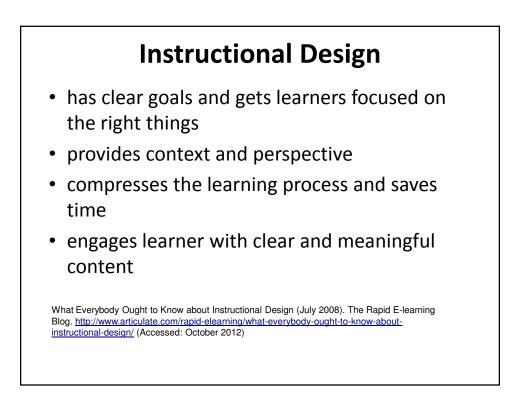


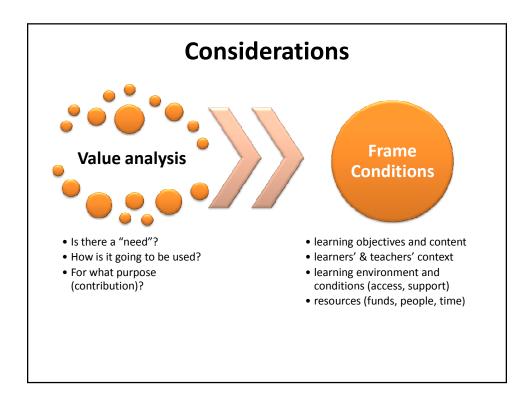
What for?

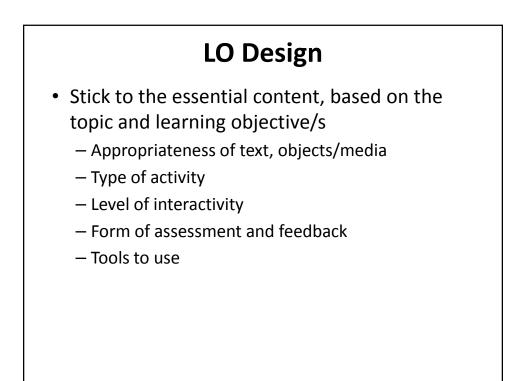
The quality of your content begins with a good and grounded instructional design/ plan that integrates the different elements of instruction into a cohesive whole.

- Diaz & DeClaro









LO Design

• Content:

- simplify, contextualize, localize
- chunking and sequencing
- Interface / Object design and layout
 - layout of elements, background, colours, navigation, animation, etc.
- Reusability

Resource Selection Traditional, non-electronic formats Electronic/ ICT media • Text (textbooks, printouts, • Projected visuals (overhead worksheets, manuals, transparencies, presentation pamphlets) slides) • Printed visuals (posters, photos, • Audio media (radio, podcasts, illustrations, comics, maps, audiotapes, voice recordings) graphs) Video media (motion pictures) Displayed visuals (chalkboards, • Multimedia and other computerbulletin boards) based media (programmes and · Real objects and models applications) • Internet media (online resources), including web tools **Feature Analysis Matrix** From Newby, T. J., etal (2006). Educational Technology for Teaching and Learning (3rd ed.)

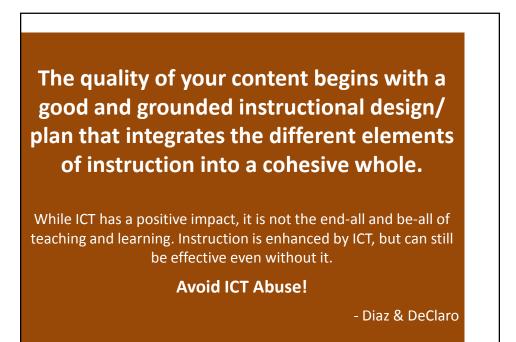
Resource Selection

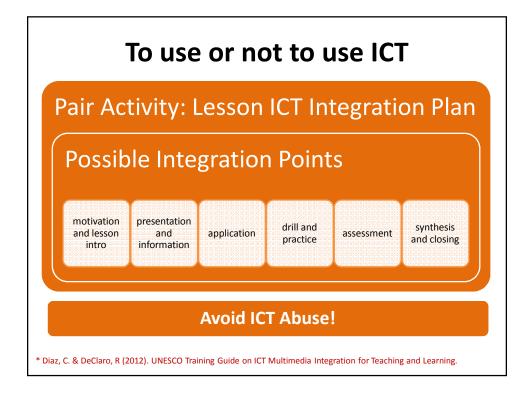
Where will the content be sourced?

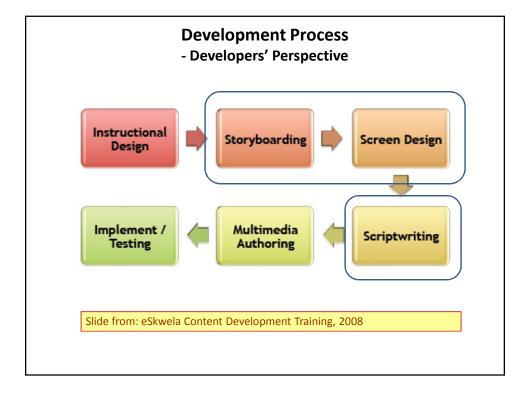
- Bought? Borrowed?
- Internet portals/sites?
- Teacher-generated? Learner-generated?
- Professional development team? In-house or outsourced?
- Shared across institutions?

Selection criteria

Extent of interactivity







Decisions, decisions
Considerations
 Font color, size, 坎pe sentences or phrases numbers or bullets Table or prose; table or graph (type)
 Background Photo or illustrated static or moving combination and arrangement Others: timeline, diagrams
 Animation or video Sourced or developed Linear or interactive

Decisions, decisions		
Item	Considerations	
Audio	 Yes or no music or voice constant or highlights sound effects? 	
Links	• Yes or no	
Interactivity	 Yes or no Navigation/menu design programming (e.g. games) 	
Others		

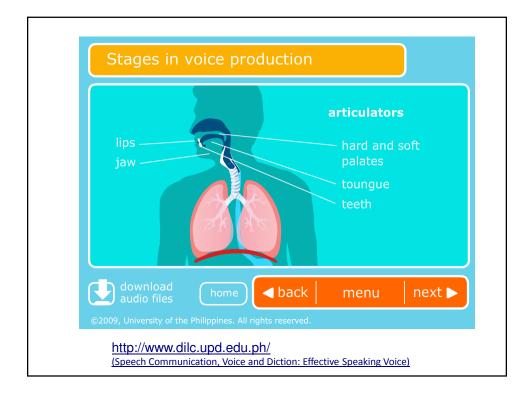
Available Resources

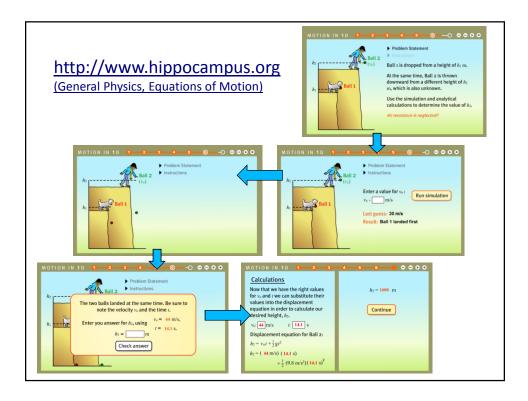
- UNESCO's CD collection refer to list provided
- Phet (sample: <u>Eating and</u> <u>Exercise</u>)
- MIT OpenCourseware
- Hippocampus
- UP-DILC podcasts and learning objects
- MERLOT
- OpenLearn
- Khan Academy

- Physion
- UNU Open Course Ware
- Apple Learning Interchange
- Nobelprize.org (sample: <u>Blood Typing</u>)
- Edheads.org (sample: <u>Simple Machines</u>)
- Intel's skoool
- Youtube
- BrainPOP
- etc. etc. etc.

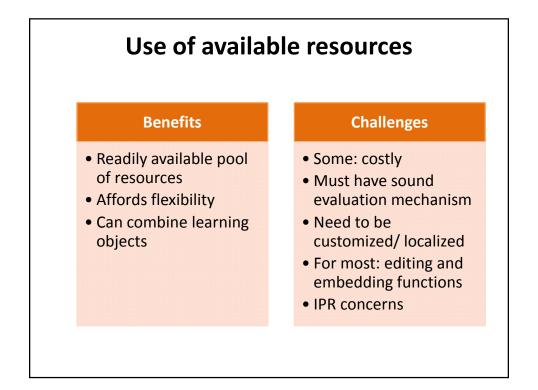


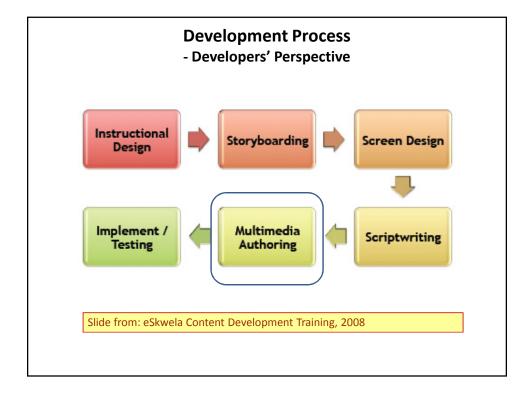


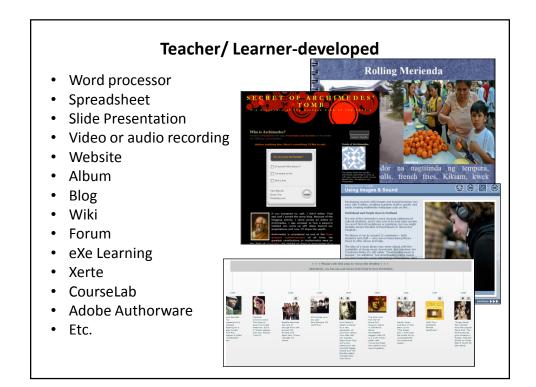


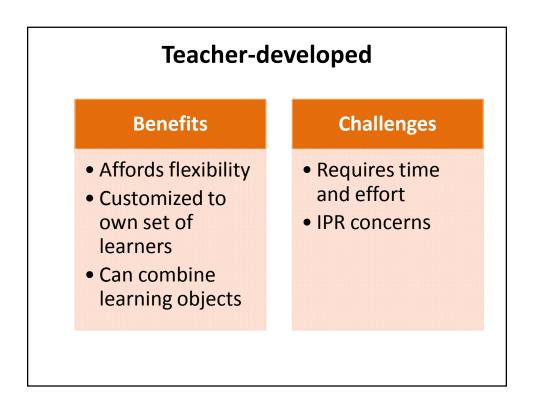










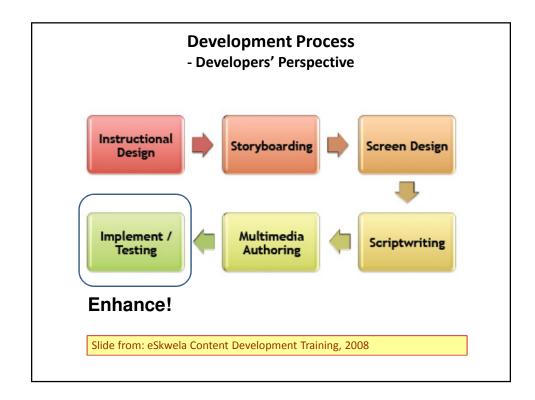


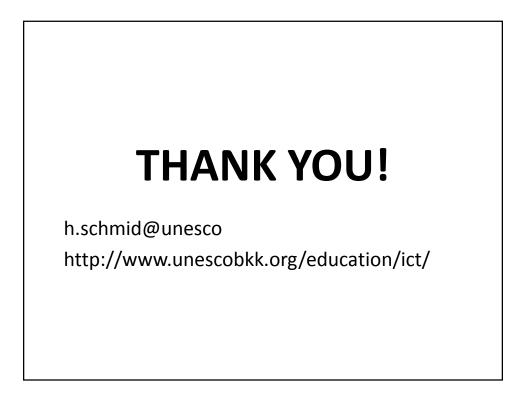
Common Authoring Tools

- Slide Presentation software (demo1, demo2)
- Blogs and wikis (can embed files and widgets) (demo)
- Learning Tools (http://www.learningtools.arts.ubc.ca/)
 - Multimedia Learning Object Authoring Tool (demo)
 - Timeline (<u>demo</u>)
- eXe Learning (http://exelearning.org/wiki)
- Xerte (<u>http://www.nottingham.ac.uk/xerte/</u>)

– LO <u>demo</u>

application	TIPS useful tools			
Slide presentations	master slides, shapes, SmartArt, animation / motion path (<u>t1</u> , <u>t2</u>), hyperlinks, rehearse timings / record slide show Site: <u>http://www.articulate.com/rapid-</u> <u>elearning/</u>			
Image editing	downloading, print screen, crop, brightness/contrast, resize, rotate/flip			
Video production and editing	angles, lighting, sound, cut and fade			
Ask for permission, cite sources				





Links used

- Kiwi demo: <u>http://video.about.com/australianfood/Kiwis.htm</u>
- DNA: <u>http://www.brainpop.com/health/geneticsgrowthanddevelop</u> <u>ment/dna/</u>
- Water cycle: <u>http://education.uoit.ca/lordec/ID_LORDEC/water_cycle/</u>
- Fractions: <u>http://phet.colorado.edu/en/simulation/fractions-</u> intro
- Eating and Exercise: <u>http://phet.colorado.edu/en/simulation/eating-and-exercise</u>
- Blood Typing: <u>http://nobelprize.org/educational/medicine/landsteiner/land</u> <u>steiner.html</u>

Links used
 Speech Communication, Voice and Diction: Effective Speaking Voice: <u>http://www.dilc.upd.edu.ph/media/lo/speechcom/LO_1version4.swf</u> General Physics, Equations of Motion: <u>http://www.hippocampus.org/Physics;jsessionid=9FAB9418B</u> A17F0EA2B5798DE37A32B55
 Breathing simulation game: <u>http://skoool.net.ph/files/SIMS/Biology/Humans%20As%20Or</u> <u>ganisms/breathing%20and%20respiration/index.html</u> Moving Hand: <u>http://cdn.articulate.com/images/blogs/wom/demos/Nutritio</u>
nLabels/player.html

Links used

- Earthquake Scenario: <u>http://articulate.www.resources.s3-</u> <u>website-us-east-</u> <u>1.amazonaws.com/community/blogdemo/remittance_branch</u> /player.html
- Tutorials on Motion Paths in PPT:
 - <u>http://www.screenr.com/yjd</u>
 - <u>http://www.screenr.com/noG</u>
- Xerte demo: <u>http://www.nottingham.ac.uk/xerte/media/loDemo/rloObjec</u> <u>t.htm</u>