Authoring Tool Training Guide

Demo Course					
	Storyboard List	Storyboard Type	×		? 🛠
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Introduction					
Course Overview			Wide Wide		
Storyboard Types				15	Wide fS
Video/Still Templates	Still	Video	Video-W	Video-FS	Video-WFS
Interactive Exercises					
URL-Website/Document	AV				
Self-Check				3	Q
Final Exam		-			
Post Test	AV	Still-F	Still-5	Still-3	Question
	Tasala	MultiQ			
	Toggle	Muluq	ClickDrag	ClickDragImage	Matching
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DuPont ^w eLea	rning Suite		/		
AUTHORING TOOL	Version	5.0.0.167	Coof	right @ 1999 - 2014 Coastal Training Technol	

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Customer ID:_		
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Your Login:	/	

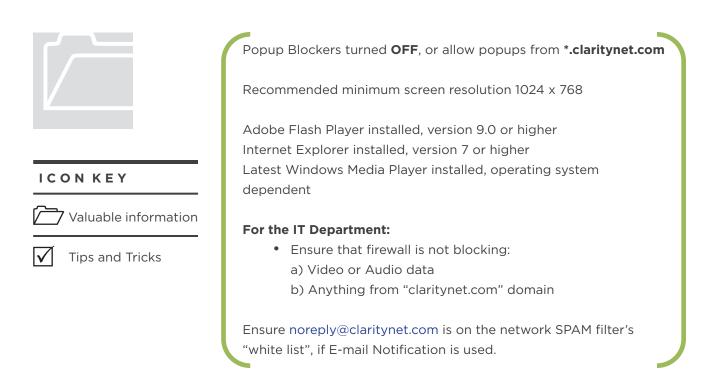
DuPont Sustainable Solutions



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Initial Set Up of the DuPont[™] eLearning Suite



Asset Formats - Summary

For best results, the following file formats are recommended:

Audio	mp3, wma	32 Kbps, 44.1 KHz, 16 bit, mono, CBR
Video	flv, wmv	High Bit Rate: 400x300dpi, 320 Kbps, 15fps Low Bit Rate: 320x240dpi, 100Kbps, 15fps
Graphics	jpg, gif, swf, png	Standard size: 400x300x72dpi



Helpful tips:Documents:PDF preferredHyperlinks:AllowedText:All copied text will be stripped of formatting.Largest file that can be uploaded: 10MB

Asset Formats - Detail

Graphics – jpg, gif, and png format images can be used. Images created at 400 x 300 x 72 dpi will fit most image windows. Other sizes used are 240 x 180, 320 x 240, 960 x 720, 640 x 385 and 1024 x 768. Images will be stretched or shrunk to fit most windows. PowerPoint (ppt) slides can be converted from within the ppt to jpeg format with a set resolution of 960 x 720 x 96 dpi and can be directly used in the FS Graphic image template. Images are not stretched or shrunk in the FS Graphic template; the bottom 80 pixels of ppt slides that have been converted to images will be hidden by the navigation bar in FS Graphic template; you may have to make allowances for this and adjust information at the bottom of your ppt slides.



NOTE:

Raw file formats such as: tif or bmp are not accepted; you will need to convert into final edited format: jpg, gif, or png.

Flash - swf format is an Adobe animation format. A resolution of 640 x 385 will fill the window in the Flash template. Smaller resolution sizes will work also but will be centered in the template window. Flash files can be created with or without embedded audio. Use of supplementary audio is also allowed.

Audio - mp3, wma, mpa and asf format can be used. Good quality audio can be created at 32 Kbps, 44.1 KHz, 16 bit, mono, and CBR.



NOTE:

Raw file formats such as: wav, cda and aif are not accepted; you will need to convert into final edited format: mp3, wma, asf, or mpa (mp3 is preferred.)

Video - flv, wmv format can be used. High bit rate video can be created at 400 x 300 dpi, 300/320 Kbps and low bit rate video can be created at 320 x 240 dpi, 100 Kbps. The overall bit rate is a combination of the video and audio bit rates and it is also suggested to use a frame rate of 15fps for both bit rates.



NOTE:

aw file format such as avi, mpg and mov are not accepted; you will need to convert into final edited format: flv or wmv. (flv is preferred.)

Interactive Courseware – Skins

THE END-USER EXPERIENCE

Seven Skin Options To Choose From:



THE ADMINISTRATOR EXPERIENCE

In addition to selecting the Skin in which the Interactive Courses will display for the end-user, administrators can also select the same skin environment in the Authoring Tool in which to create the course.

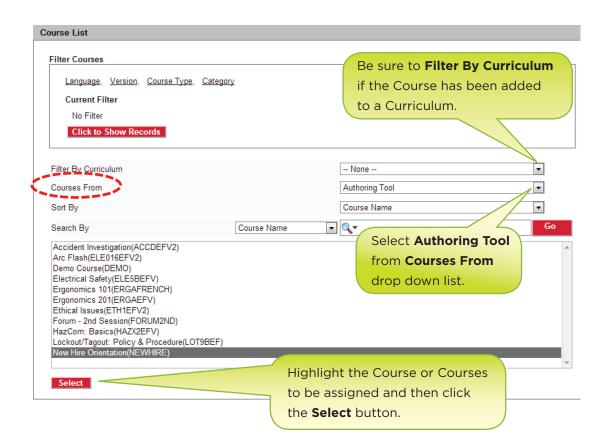
		ninistrator can sel n choice for the A	lect/change their uthoring Tool within	
	the	Authoring Tool.		
? Hep > Skins ←	= <u>s</u>	ikins		
Import an interactive Course		Default CustomEase Skin	Nature	
Select an Existing Course	C	Default Authoring Tool Skin	Nature	7 .
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Course Authoring Permission

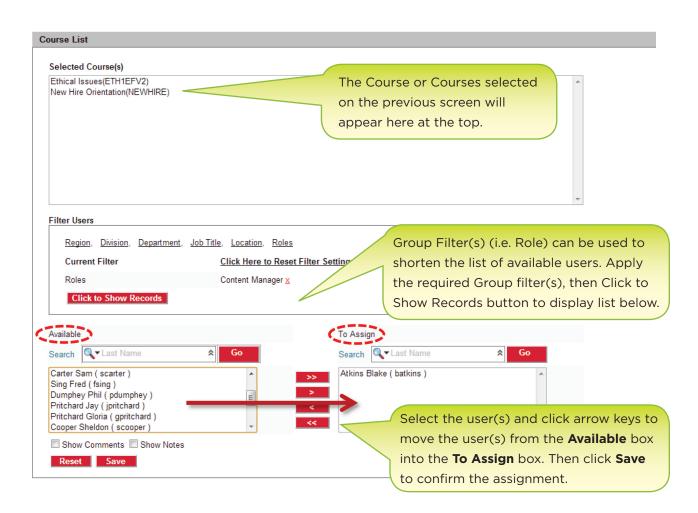


Course Authoring Permission is used to give 'minor' administrative users the right to access and edit Interactive Courses that have been created by other administrative users in the **Authoring Tool**.

Administrative users with assigned permissions can access the **Authoring Tool** to create custom interactive courses. Initial permissions are established through **Roles** under **User Management** via the **Permissions** tab. **Super Administrators**, by default, will have access to all courses created in the Authoring Tool. 'Minor' Administrators will only have access to the course(s) they have created and will need to be granted **Course Authoring Permission** to any course(s) created by other Authoring Tool administrators. The purpose of assigning permission to a Course is to limit who can access and make edits to the Course via the **Authoring Tool**. This is important for version control and locking down any potential of **Authoring Tool** authors overwriting each other's work.



Administrator assignments can be made by applying filters by **Groups** or **Roles** to narrow down the list of users. After applying the filter, click the **Click to Show Records** button.





NOTE:

Course/Administrator **Course Authoring Permission** assignments can be made to a single course or to multiple courses at the same time (as in the example above). However, to view the Course assignments (to see who the course is assigned to) or to make un-assignments you would need to select one course at a time, separately (vs. selecting several courses at the same time).

Preparing to Build Your Custom Interactive Course

- 1. Prepare a Learning Objective for your course. Determine what your students should be able to accomplish when they complete your proposed new course. Use Principles of Instruction Systems Design (ISD) to create your course.
- 2. Create a Course Outline. Your course outline will become the Course Menu. What topics do you want to cover in your course? Create Main Modules for your outline. These are placeholders that contain sub-modules (called Training Modules). Create sub modules that will be contained within each main module. Sub-modules contain course storyboards. Make descriptive entries for each sub-module concerning scenes that will be displayed within that sub-module. These scenes will be used to determine what assets need to be acquired, edited, format converted and implemented.
- 3. Content Creation. Consult with all subject matter experts to collect all relative course content. Organize all content for each storyboard (i.e. narrative, bullet points, etc.)
- 4. Develop Test Questions. Develop questions for testing course objectives. If a self check test is used, the last sub-module within a main module must be the self-check. The sub-module test questions are automatically placed within the course Post Test. A Post Test is the only sub-module within the final main module of the course. The final test is used to track student course mastery/certification.
- 5. Create, Collect and Organize Course Assets. Assets are digital files that contain essential course content. They include audio, video, graphics, and text files. Before creating a course, make sure your assets meet the following criteria:
 - a. You must have legal right to use the assets
 - b. The assets are in a final edited form and format (see pages 1 & 2 of this guide).
 The Authoring Tool does not provide the capability convert assets. Audio files can be created and edited within the Audio Editor. Images can be edited within the Image Editor.
- 6. Asset Housekeeping
 - a. Use a common naming convention for all assets within a course
 - b. Store assets in a convenient directory structure
 - c. Create a folder for the course, named after the course to hold all assets
 - d. Create sub-folders for Graphics, Audio, Video and Text

Authoring Tool

Accessing Authoring Tool:



Three Action Icons

- 1. Create a Custom Interactive Course: Allows user to add and create a new course
- 2. Select an existing Course: Select an existing course to make modifications to
- 3. Import an Interactive Course: Import an existing Interactive Course to modify



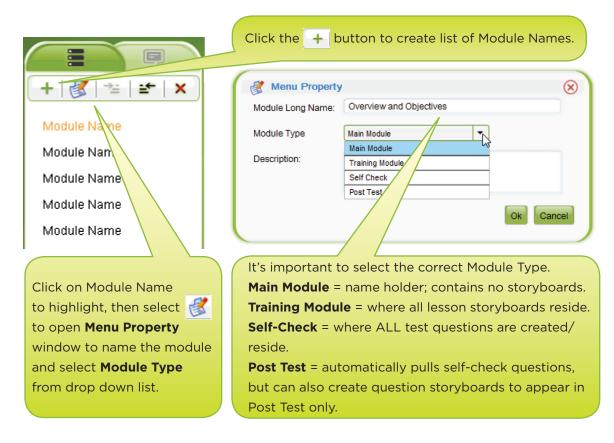
NOTE:

To update previously published courses assigned to Curriculums, you must reimport the course from the assigned Curriculum back into the Authoring Tool.

Creating a Custom Interactive Course

Course Prope	rrty	Course ID: 1-64 alphanumeric characters. Hyphens allowed. Must be
Course ID		unique; cannot be duplicated.
Course Version	*	
Course Long Name		
Description		Course Long Name: up to 255
		alphanumeric characters; only 100
		displayable.
Video Bit Rate	Low High	Description: up to 512 alphanumeric
Category	Custom 🔹 *	characters; all displayable.
Language	English •	
Course Font Size	12 •	Video Bit Rate: selecting both Low and
* Required		High will require you to upload your
		video assets in both formats.

Creating & Validating the Course Menu



Adding Storyboards

After creating the course menu, select a training module to create storyboards. Click the **Storyboard** button and the **Storyboard Type** page will open, as depicted below:





Storyboard Types

Six Types of Storyboards: VIDEO STILL FLASH INTERACTIVE EXERCISE LINK_URL QUESTION

- There are 6 **Types** of Storyboards: Video, Still, Flash, Interactive Exercise, Link_URL, Question.
- There are 24 different storyboard **Templates** available. Each is decribed in detail on pages 10-13 of this guide.
- Each Storyboard is designed for a specific purpose or function.
- The **VIDEO** storyboard is the only one that can contain video clips. FLV and WMV are the only file format types it is designed it accept. It cannot accept JPG, MP3 or any other type of file format. Audio should be embedded within the FLV file; there is no ability to upload a separate audio file (MP3) on the Video storyboard only on the AV storyboard.
- **STILL** storyboards are designed to accommodate JPG, GIF, PNG, SWF files for the Graphic upload and MP3, WMA files for the Audio upload. They are not designed to accept Video (FLV, WMV) files. Storyboard variations include: Still, FS Graphic, Still-F, Still-3, Still-5.
- The **FLASH** storyboard is designed to run SWF files with or without embedded audio.
- **INTERACTIVE EXERCISE** storyboards include: Buttons, ClickDrag, ClickDragImage, Matching, MultiQ, SelfEval, SeSummary, Toggle. These storyboards can only be used in a Training Module (as part of a lesson). They are not available as 'test' questions (in the Self-Check Module).
- The LINK_URL storyboard is designed accept a web address (include the full http:// part of the URL). This storyboard can be used to direct the user to a website or to attach a document within the course.
- **QUESTION**. There are two types of questioning techniques utilized within the Authoring Tool:
 - 1. **Embedded** (Content) Questions part of a lesson module, to provide remediation. Created in 'Training Module.' Not for test score.
 - 2. **Test Questions** (Self-check, Post-test) for a SCORE. Created in the Self-Check Module. Post-Test questions pull from Self-Check question banks. All questions pulled randomly from question banks. (Detailed description on page 19.)

Storyboard Templates - 1



STILL: Graphic Image can be Left, Right or Centered at 400x300x72dpi. JPG, PNG, GIF, animated GIF. Support 9 Elements (except centered) and can be expanded. Narration Box, Audio file. Element image: 240x180



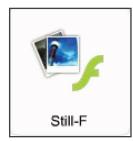
VIDEO: Video display can be Left, Right or Centered at 400x300x72dpi. FLV, WMV. Supports 9 Elements (except centered) and can be expanded. Narration Box. Element image: 240x180. Audio must be embedded in FLV file.
VIDEO-W: same as Video (above), except video display can be Left, Right or Centered at 448x252x72dpi.

AV: same as Video (above); except that Video and Audio files can be uploaded separately, to playback simultaneously.



VIDEO-FS: Video display can be Left, Right or Centered at 400x300x72dpi. FLV, WMV. Supports 9 Elements (except centered) and can be expanded. Narration Box. Element image: 240x180. User can select full screen mode, 903x678.

VIDEO-WFS: same as Video-FS (above), except video display can be Left, Right or Centered at 448x252x72dpi.



STILL FADE: Graphic Images can be Left, Right or Centered at 400x300x72dpi. JPG, PNG. Support 9 Elements (except centered) and can be expanded. Narration Box, Audio file. Images (2-9) fade in/out at 3-60 second intervals (set by Author) at same location. (Single image will remain still, not flash.) Element image: 240x180



STILL-5: Left or Centered. 9 Elements (and can be expanded), Narration Box, Audio File. Image files (part of Element Text only) can be maximum of 640 wide and unlimited heights. Scroll bar created if screen is overly long.

Storyboard Templates – 2



STILL - 3: Graphic Image in 2 Columns at 400x300x72dpi. JPG, PNG, GIF. 9 Scrollable images (with scroll bar). Narration Box. Audio file. (No place for text elements/bullet points)



QUESTION: Question with 2-9 text answers. 1 correct answer. Graphic image 400x300x72dpi. Audio File. Self-Check & Training Module. Remediation in Training Module only.

QUESTION BANKS: Contain multiple variations (i.e. 4) of a question. One variation from each bank will appear in Tests.



TOGGLE: Left, Right or Centered. 8 Elements Statements. Correct and Incorrect Choices. Question, Incomplete, and Answer Audio Files. 8 Feedback Audio Files.



MULTI Q: Left or Right. 8 text statements. User compares his/her answers to correct answers. 8 Feedback Audio files consisting of Question, Incomplete, Answer, Partially Correct, Incorrect.



CLICKDRAG: Left or Right Graphic Image 400x300x72dpi. 8 text statements that can be dragged onto image. Audio files consisting of Question, Answer, Correct, Incorrect, Partially Correct, and Incomplete.

Storyboard Templates - 3



CLICKDRAGIMAGE: Contains Question, Drop Image and up to 9 Drag Images. JPG, PNG only. No GIF. Graphic Images can be sized (based on Hot Spot size) anywhere on the screen. Total work area 640x385. Multiple correct answers (1-9). Audio files consisting of Question, Answer, Correct, Incorrect, Partially Correct, and Incomplete.



MATCHING: 8 Statements Left and 8 Statements Right. Software will juggle statements. User to click Left statement and Right statement for match. Audio files: Landing, Incomplete, Correct, Incorrect, and Partially Correct.



FULL SCREEN GRAPHIC: Supports Graphic image to maximum size of 1024x768x72dpi (JPG only), Audio File. Bottom 80 pixels of image are opaque due to window navigation bar.



FLASH: SWF, JPG, PNG, GIF images, 640x385. Smaller images will be centered. Audio File. Narration Box optional, size adjustable. Audio can be embedded in SWF file.



Q2A STILL: Image 640x385. Question Audio. Question Text displays on image. 9 **text** answers display on image; 1 correct answer. Answer choices can be labeled or translucent. Self-Check & Training Module (w/remediation).

Storyboard Templates - 4



Q2 STILL: same as Q2AStill, except 9 transparent **hotspot** answer areas on image. **One correct hotspot answer** area. User will see green checkmark or red X for answer display. Training Module only with 9 Audio Remediation files.



Q3 STILL: same as Q2Still, except **multiple correct** hotspot answer areas. Training Module only with 9 Audio Remediation files.



SelfEval: Supports 1 Graphic (JPG, no GIF), 1 Header Text, 1 Question, & 9 Hot Spots. Image can be manually resized; Maximum image 640x385. Audio files: Question, Incomplete. User answers are tracked and displayed on SeSummary board of the same module.

SeSUMMARY: this storyboard is created after the series of SelfEval storyboards. Displays Header Text, User Answers and Correct Answers. 1 Graphic Image.



LINK_URL: Must enter a complete Web address (including http://) for asset. Will display web pages, PDF, PPS, DOC, GIF, JPG files. 700 pixels for centering. PDF files (preferred) are printable and savable. Asset application program must exist on user computer for asset to display.

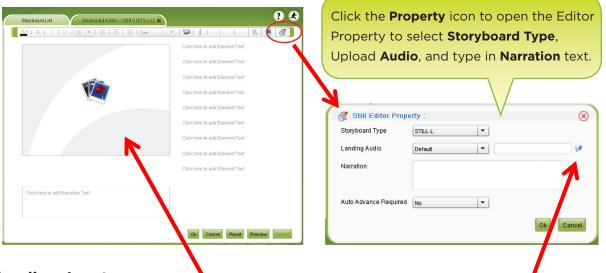


BUTTONS: This storyboard imparts information to the user by use of a series of storyboards to explain a concept. Contains images as hyperlinks. Mouse over the image and a hand icon appears. Clicking the image takes the user to a series of boards (all with same storyboard number.) Graphic image to maximum size of 640x385. 9 maximum Hot Spot areas.

Creating Storyboards

EDITOR PROPERTY

Double-clicking on the Storyboard icon will open the Editor Property window:



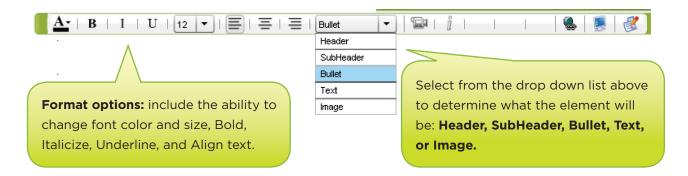
Uploading Assets

Double-click on image area (above left arrow) to upload **Graphic** or **Video** asset. (Double-click upload folder (above arrow right) to open upload window to upload **Audio**. Example **Upload** Screen:

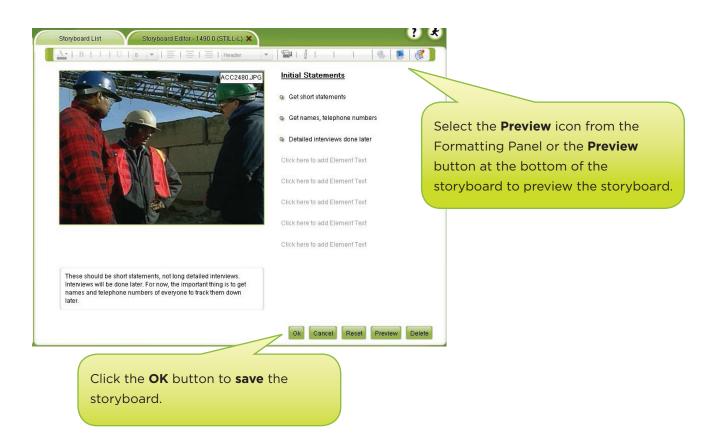
Upload Graphic			Step 1: Click Browse
1. Click the 'Browse'	and choose the file you	wish to transfer	button to search for and
2. Next click "Upload" Upload Close		Browse	select your file to upload
For bestress the desire audio, fly for video aro- animated graphics.Oth Storyboard types and si	er files that a	wing file types be usedmp3 files are u IOK, jpeg for Graphics and simple .swf1	or
	Upload Graphic		
	File uploaded succes File Size	74KB	
		http://customcontent2	Step 3: You will then receive
	Destination	EFV/SafeCuttle	this 'File uploaded successfully'
	Continue Clos	e	window. Click Close to proceed.

Formatting Storyboards

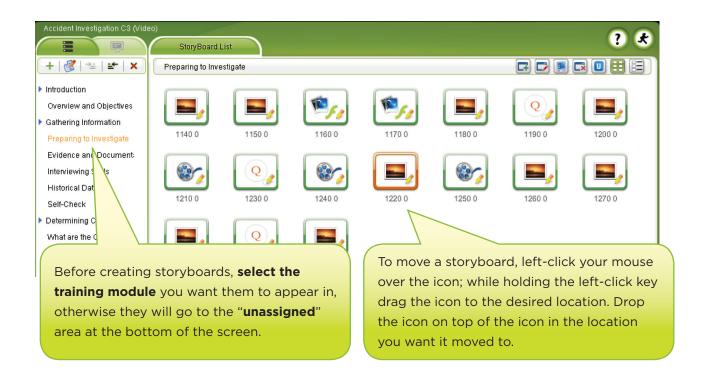
The format bar appears across the top of each storyboard. Storyboard text that is added in Element Text Boxes, Narration Text Boxes, Header Text Boxes and Question Text Boxes can be formatted with the help of the buttons seen on the Formatting Panel depicted below:



Previewing Storyboards



Assigning & Moving Storyboards



Previewing the Course & other Options

Click the Preview Button N (in the lower right corner) to Preview the course.

Click on the Button

(lower left corner) to access other options:



Creating the Glossary

Creating the glossary involves two primary tasks: (1) Adding the Glossary Word and its Definition to the Glossary; then (2) Assigning the Glossary Word to the word used on a storyboard as follows:

1. Adding the Glossary Word and its Definition to the Glossary

Demo Course	Click on Glossary tab, adjacent
	to Menu tab in upper left corner of the screen.
	Next, click on the + sign to open the Glossary Property
Glossary Property	screen (below):
Glossary Word Definition Types TEXT	Type the Glossary Word and its Definition in the designated boxes.
Audio File Name Default Graphic File Default Left	If needed, you can upload an associated Audio File .
Top	Click OK to add the word to the Glossary list.
OK C	ancel Preview

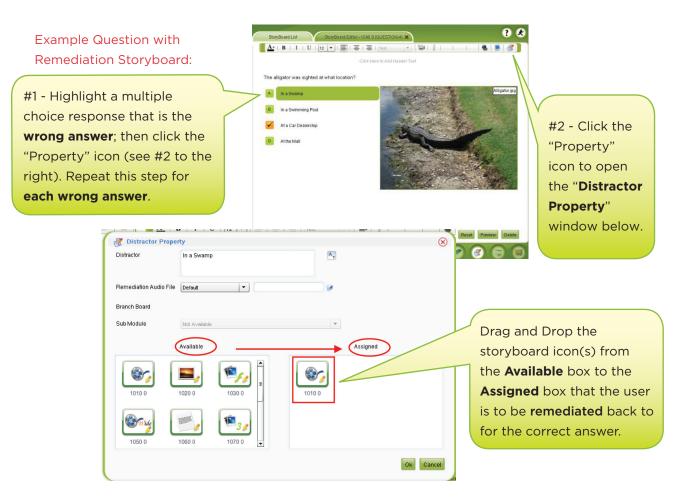
- 2. Assigning the Glossary Word
- a. Create your storyboard. In StoryBoard List StoryBoard Editor - 1020 0 (S the Element Text bar, **type** in 🛃 🥳 🗙 $\underline{\mathbf{A}} + \mathbf{B} + \mathbf{I} + \mathbf{U} + \mathbf{I} = \mathbf{V} = \mathbf{I}$ + the word you want to assign T Still Storyboard Example as a glossary term and **highlight** T PPE it, simultaneously: Can be positioned Left, Right or Center b. Highlight the matching Glossary 9 400x300 size JPG, PNG, SWF, or GIF file word from the list Click Here to Add Element Text c. Then click the "Assign" icon to turn your word into a glossary Glossary terms are useful to help employees understand terminology that may be new to word (hyperlink). them

Questions with Remediation

Training Modules may contain Questions. These questions can be designed to provide remediation if the question is not answered correctly. Remediation is the process of directing the user back to the learning screen (storyboard) which contains the correct answer to the question. The purpose of this type of questioning technique is to reinforce learning, to test comprehension and to keep the user from proceeding forward if they have not grasped the material.

Steps to Creating Questions with Remediation:

- 1. 1ALL remediation questions are created in a "Training Module" as part of a lesson.
- 2. Create the storyboard question and answers as you would for a test question.
- 3. The "Property" screen affiliated with each multiple choice answer is what differentiates a test question from a remediation question.





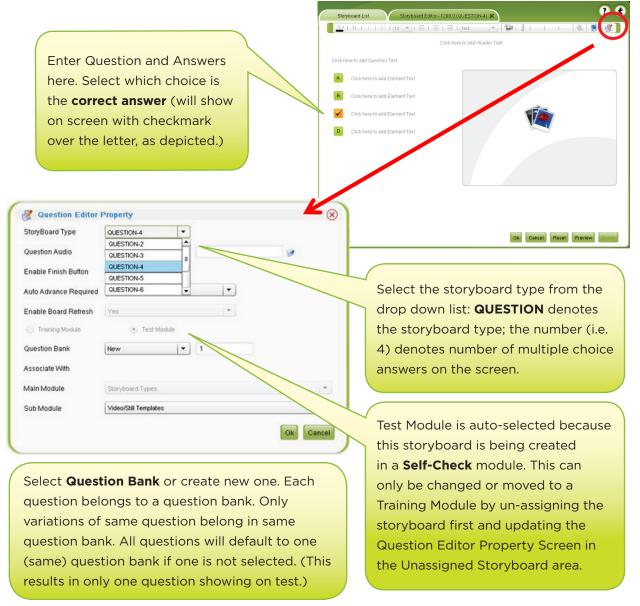
NOTE:

Question Storyboards created in Training Modules can only be moved to Self-Check modules if they are unassigned first and the Question Editor Property is updated.

Test Questions & Question Banks

Steps to Creating Test Questions:

- 1. ALL Test Questions in the course must be created in the "Self-Check" Module
- 2. Only 2 storyboards are available; all others are translucent. Click on the Q storyboard (example below) to create a text question (or q2a still for a visual question).
- Click "Property" icon (upper right corner, shown with red circle) to open "Question Editor Property" window (below) and select the "Storyboard Type" (number of possible answers)
- 4. Type the question and each possible answer in their designated locations
- 5. Click "**Property**" icon (red circle) to upload Audio asset and select **Guestion Bank** number; Click on Graphic image to upload Graphic asset.



Publishing a Course

Once the course is created, the final task is to Publish it.

To publish the course, click the Course Finisher

button in the lower right corner of the screen.



An Alert message will display asking if you want to publish the course with a new course ID. Select Yes if you want to change the course ID; select No if you do not.

Alert	
	Do you want to publish the course with a new Course ID ?
	Yes No Cancel

A green checkmark vill be displayed beside published courses on the Authoring Tool Course List page:

			Search By	Course Name	•	
Course Name	Modified	Version 🔻	Course ID	Language	▼ Curriculum ▼	Category
 Accident Investigation 		2012	ACCDEFV2	English	NONE	Safety
Arc Flash		2.0	ELE016EFV2	English	NONE	Safety
V Demo Course	٢	1.0	DEMO	English	NONE	Other
Electrical Safety	٢	4.8.1	ELE5BEFV	English	NONE	Safety
✓ Ergonomics 101	٢	101.2010	ERGAFRENC	English	NONE	Safety
Ergonomics 201		201.2011	ERGAEFV	English	NONE	Safety
✓ Ethical Issues		4.9.1	ETH1EFV2	English	NONE	Ethics & Complia
 Forum - 2nd Session 	C.		FORUM2ND	English	NONE	Custom
HazCom: Basics	٨	4.8.2		English	NONE	Safety
 Lockout/Tagout: Policy & Procedure 	٨	4.8.2	LOT9BE		NONE	Safety
Vew Hire Orientation	٨	2013				
			Checkm	narks	🖌 denot	te courses tha
			are pub	lished;	Dots 🔸	represents



NOTE:

Each edit to a course requires that the course be re-published for users to see the changes. If a previously published course was added to a Curriculum, the course will need to be imported to the Authoring Tool from the Curriculum, edited, then re-published (via Course Finisher) back to the same Curriculum for users to see the updated course.

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in www.linkedin.com/company/consultdss

www.youtube.com/ConsultDSS

DuPont Sustainable Solutions

