

K2W Field Name	validation (see option set)	Table	SQL	requested Format	Element Name	Definition	Option Set	Usage Notes	Source	Required?	Repeatable ?	Notes
lrid		learningresource	int	Integer		The ID number of the Learning Resource.	None		K2W	Yes	No	
sourceid		learningresource	varchar(50) we cant be sure external			The ID number of the Learning Resource in the repository we accessed the record from (MERLOT, IOER, etc.)						
oersource	val_oersource	learningresource	int of named val			The name of the repository we accessed the record from (MERLOT, IOER, etc.)						
title		learningresource	varchar(120)	Alphanumeric - 60 characters maximum	Learning Resource Title	The title of the resource.	None		CEDS	Yes	No	
description		learningresource	varchar(2048)	Alphanumeric - 300 characters maximum	Learning Resource Description	A short description of the Learning Resource.	None		CEDS	Yes	No	
ISBN		learningresource	varchar(60)	Numeric - 17 characters maximum		The ISBN number of the learning resource.	None		K2W	No	Yes (to accommodate both 10 & 13 digit ISBN numbers)	
URL		learningresource	varchar(2083)	Alphanumeric - 300 characters maximum	Learning Resource URL	The Uniform Resource Locator where the resource may be accessed, or a proxy for the resource, such as an information page for a commercially available resource.	None		CEDS	Yes	No	
AlternateURL		learningresource	varchar(2083)	Alphanumeric - 300 characters maximum	Alternate URL	If there is an alternate URL, indicate it here.	None		Gooru Learning	No	No	Applicable in cases where a resource is
version		learningresource	varchar(30)	Alphanumeric - 30 characters maximum	Learning Resource Version	Defines the version of the learning resource as defined by the publisher.	None	Example: 2.7; 4th edition	CEDS	No	No	
contributor	val_create_contrib_publish	is_contributor	int of named val	Alphanumeric - 60 characters maximum	Contributor	The name of an entity responsible for making contributions to the resource.	None	Examples of a Contributor include a person, an organization, or a service.	Dublin Core	No	No	
seriestitle		learningresource	varchar(120)	Alphanumeric - 60 characters maximum	Series Title	If a resource is part of a series, indicate the title of that series.	None		Gooru Learning	No	No	
Publisher	val_create_contrib_publish	is_publisher	int of named val	Alphanumeric - 60 characters maximum	Learning Resource Publisher Name	The name of the organization credited with publishing the resource.	None		CEDS	No	Yes	
createdate		learningresource	date	YYYY-MM-DD	Learning Resource Date Created	The date on which the resource was created.	None		CEDS	No	No	
modifieddate		learningresource	date	YYYY-MM-DD	Learning Resource Date Modified	The most recent date that the learning resource was updated.	None		CEDS	No	No	
Submitter	personkey	learningresource	int		Submitter	The user who submitted the material to K2W. Displays the user's name, which is also a link to the user's profile.	None		Based on MERLOT	Yes	No	
adddate		learningresource	datetime	YYYY-MM-DD	Date Added	The date on which the resource was added to K2W.	None		Based on MERLOT	Yes	No	This should be useful for us and users
creator	val_create_contrib_publish	lr_creator	int of named val	Alphanumeric - 60 characters maximum	Learning Resource Creator	The name of a person or organization credited with the creation of the resource.	None		CEDS	No	Yes	
Cost	val_cost	lr_cost	int of named val			The cost associated with using a resource.	Free Not Free		K2W	Yes	No	

Language	val_language	lr_language	int of named val	Learning Resource Language	The primary language of the resource.		(Note: CEDS uses ISO 639.2 for language code/option sets. See	CEDS	No	Yes	
Subject	val_subject	lr_subject	int of named val	Alphanumeric - 30 characters maximum Learning Resource Subject Name	Subject from LCSH				No	Yes	
Education Level	val_educationlevel	lr_educationlevel	int of named val	Learning Resource Education Level	The education level, grade level or primary instructional level at which a Learning Resource is intended.	IT - Infant/toddler PR - Preschool PK - Prekindergarten TK - Transitional Kindergarten KG - Kindergarten 01 - First grade 02 - Second grade 03 - Third grade 04 - Fourth grade 05 - Fifth grade 06 - Sixth grade 07 - Seventh grade 08 - Eighth grade 09 - Ninth grade 10 - Tenth grade 11 - Eleventh grade 12 - Twelfth grade 13 - Grade 13 AS - Associate's degree BA - Bachelor's degree PB - Post-baccalaureate certificate MD - Master's degree PM - Post-master's certificate		CEDS, with edit	No	Yes	"Postsecondary" option added to accommodate resources in repositories that do not specify which level of postsecondary education a resource addresses.
Intended End User Role	val_intendedaudience	lr_intendedaudience	int of named val	Learning Resource Intended End User Role	The individual or group for which the resource was produced.	Administrator Mentor Parent Peer-Tutor Specialist Student Teacher Team		CEDS	No	Yes	
Media Type	val_mediatype	lr_mediatype	int of named val	Media Type	The physical or digital medium that contains, stores, transports, and/or provides the Resource.	Application/Software Archive Audio Document/Text Image Non-Digital Other PDF Slides Spreadsheet Video Webpage	http://lsharedlearning.org/DevDoc/SitePages/OERMetadata.aspx	ISLE (which is a hybrid list from Dublin Core, LRMI, & ISLE)	No	No	Note (from ISLE): Media Type was included in an earlier version of the LRMI schema (as "mediaType"). It was removed in the current

Resource Type	val_resourcetype	lr_resourcetype	int of named val		Learning Resource type	The predominate type of kind characterizing the learning resource.	Activity Article Assessment Career Information Course Curriculum Plan Demonstration/Simulation eBook Game Image/Visuals Lab Material Lesson Plan Presentation Primary Source Reading Reference Material Rubric/Scoring guide Syllabus Textbook		CEDS, edited	No	Yes	Edited Option Set
Competency	competency	lr_competency	int of named val	Alphanumeric	Learning Standard Item	The text of the statement. The textual content that either describes a specific competency or describes a less granular group of competencies within the taxonomy of the standards document.	None	Note: This element is designed to support statements from	CEDS	No	No	Cid from Learning Standard
Learning Management System Requirement	yes/no	lr_lmsrequirement				Note whether or not a Learning Management System (LMS) is required to access the content of the learning resource.	Yes No		K2W	No	No	
Technical Requirements		lr_technicalrequirements	varchar(2048)	Alphanumeric - 2048 characters maximum	Instructions & Equipment Requirements	Any hardware, software, equipment, instructions, or other materials required to use the resource.	None		ISLE	No	No	Element Name & Definition come from ISLE,
Mobile Usability	val_mobileusability	lr_mobileusability	int of named val		Mobile Friendliness	Note whether or not the content is playable on a mobile device.	Mobile Friendly Mobile Unfriendly		Gooru Learning	No	No	
Access Mode	val_accessmode	lr_accessmodel	int of named val		Learning Resource Access Mode Type	An access mode through which the intellectual content of a described learning resource or adaptation is communicated; if adaptations for the resource are known, the access modes of those adaptations are not included.	Auditory ColorDependent Tactile TextOnImage Textual Visual	Options derive primarily from IMS Global's Access for All (AfA) specification, specifically: AccessModeRequired.	CEDS	No	Yes	

Accessibility Feature	val_accessibilityfeature	lr_accessibilityfeature	int of named val		Learning Resource Media Feature Type	Accessible content features included with the learning resource.	AlternativeText AudioDescription Braille Captions ChemML DescribedMath DisplayTransformability Haptic HighContrast LargePrint Latex LongDescription MathML MusicBraille NemethBraille SignLanguage StructuralNavigation TactileGraphics tactileObject	Options derive primarily from IMS Global's Access for All (Afa) specification, specifically: AdaptationTypeRequested.Type/adaptationRequest.	CEDS	No	Yes	
Accessibility Hazard	val_accessibilityhazard	lr_accessibilityhazard	int of named val		Learning Resource Access Hazard Type	A characteristic of the described learning resource that is physiologically dangerous to some users.	Flashing MotionSimulation Sound		CEDS	No	Yes	
Assistive Technologies Compatible		lr_assistivetechologiescompatible	char(1) Y/N		Learning Resource Assistive Technology	Indicates that the learning resource is compatible with assistive technologies.	Yes No	For example, that the resource complies to Web Content Accessibility	CEDS	No	No	
Control Flexibility	val_controlflexibility	lr_controlflexibility	int of named val		Learning Resource Control Flexibility Type	Identifies a single input method that is sufficient to control the described learning resource.	FullAudioControl FullKeyboardControl FullMouseControl FullTouchControl FullVideoControl		CEDS	No	Yes	
Accessibility API	val_accessibilityapi	lr_accessibilityapi	int of named val		Learning Resource Access API Type	Indicates that the learning resource is compatible with the referenced accessibility application programming interface (API).	AndroidAccessibility ARIA ATK AT-SPI BlackberryAccessibility iAccessible2 iOSSAccessibility JavaAccessibility MacOSXAccessibility MSAA UIAutomation	Options derive primarily from IMS Global's Access for All (Afa) specification, specifically: apiInteroperable.	CEDS	No	Yes	
Copyright Holder		lr_copyrightlicense	varchar(60)	Alphanumeric - 60 characters maximum	Learning Resource Copyright Holder Name	The name(s) of the person(s) or organization(s) holding the copyright for the Learning Resource.	None		CEDS	No	Yes	

Copyright License	val_copyrightlicense	lr_copyrightlicense	int of named val		Copyright License	The type of license specified for using the resource.	Attribution - Share Alike Attribution - No Derivatives Attribution - Non-Commerical Attribution - Non-Commerical - Share Alike Attribution - Non-Commerical - No Derivatives All Rights Reserved Public Domain		Gooru Learning, edited	No	No	CC Vocab: http://creativecommons.org/licenses/
Copyright License URL	val_copyrightlicense			Alphanumeric - 300 characters maximum	Learning Resource License URL	The URL where the owner specifies permissions for using the resource.	None	Ex: "http://creativecommons.org/licenses/by/3.0/"	CEDS	No	No	http://creativecommons.org/licenses/
Keywords		lr_keywords	varchar(100)	Alphanumeric - 300 characters maximum	Learning Resource Concept Keyword	The significant topicality of the Learning Resource using free-text keywords and phrases.	None		CEDS	Yes	Yes	
Adaptation URL	learningresource	lr_associations	int	Alphanumeric - 300 characters maximum	Learning Resource Adaptaion URL	The Uniform Resource Locator of a learning resource that is an adaptation for this resource.	None		CEDS	No	Yes	Appears in the "View Similar Resources" section
Adapted From URL		query lr_associations join learningresource		Alphanumeric - 300 characters maximum	Learning Resource Adapted From URL	URL identifier of a learning resource for which this resource is an adaptation.	None		CEDS	No	Yes	Appears in the "View Similar Resources" section
Rating		from lr_ratings		Integer	Learning Resource Peer Rating Sample Size	The sample size of a peer rating value. Only used when the Peer Rating Value is collected in aggregate as an average of multiple atomic/individual ratings.	None		CEDS			
		lr_ratings	int (decimal excessive)	Numeric - up to four digits after decimal point	Learning Resource Peer Rating	An individual score, rating or level assigned to a Learning Resource by a person within the boundaries set by a Peer Rating System that may be aggregated to derive an overall score for the learning resource.	None		CEDS			
		personkey	lr_ratings	int		user who rated the lrid						
		lr_ratings	datetime	YYYY-MM-DD	Peer Rating Date	The date on which the Peer Rating was entered.	None		CEDS			
		val_ratingscale	lr_ratings	int		scale id						
		val_ratingscale			Numeric - up to four digits after decimal point	Peer Rating System Maximum	The maximum value allowed by the Peer Rating System.	None		CEDS		
		val_ratingscale			Numeric - up to four digits after decimal point	Peer Rating System Minimum	The minimum value allowed by the Peer Rating System.	None		CEDS		
	val_ratingscale			Alphanumeric - 60 characters maximum	Peer Rating System Name	The name of the scaling system used to specify the Peer Rating.	None		CEDS			

val_ratingscale			Numeric - up to four digits after decimal point	Peer Rating System Optimum Value	The optimum value allowed by the Peer Rating System. The optimum or best rating may be the maximum value, the minimum value, or something in between.	None		CEDS			
-----------------	--	--	---	----------------------------------	---	------	--	------	--	--	--

Knowledge to Work (K2W):

A Portal for Competencies and Individualized Learning

Lord Fairfax Community College (LFCC)

173 Skirmisher Lane

Middletown, VA 22645-1745

KnowledgeToWork.com

HigherEd.org

LFCC.edu



This work is licensed under a [Creative Commons Attribution 4.0 International License](https://creativecommons.org/licenses/by/4.0/).

This work was funded in part by a grant awarded by the U.S. Department of Labor's Employment and Training Administration. This work was created by Lord Fairfax Community College (LFCC) and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership.