

Program Concept Translation Table

CSLD 2019 - BAS

Concept	AutoCAD	ArcMAP	QGIS	Sketchup	Illustrator	Indesign	Photoshop	PowerPoint	Acrobat	Blender	Rhino	FreeCAD
<b>Layers</b>	Layers (does not control display order)	Layers	Layers	Layers	Layers (does not control display order)	Layers	Layers	N/A In Animations Panel?	Layers	Objects in Collections (does not control display order)	Layers	Document Tree
<b>Layer Group</b>	Layer Filter	Group Layer	Group	N/A	Sublayers	Group	Group	N/A		Collections		Group
<b>Linked Copies</b>	Block	Layer (multiple Instances)	Layer (multiple Instances), Symbol (icons)	Component	Symbol	Linked Content, Master pages, Multiple instances of Links	Linked Layers, Smart Objects			Instances (Collection Instances)		Clone
<b>Styles</b>	Styles	Symbol (.lyr)	Style (.qml)	Style	Graphic Styles	Paragraph styles, Character Styles, Object Styles, Table Styles	Filters, Brush Presets, Layer Styles	In Slide Master		Materials		
<b>Page Selection Group</b>	Layout Tab, Viewport (also paper space and model space)	Data Frame in the Layout View	Map Frame in the Layout	Another program included in Pro called Layout	Artboards	Pages	Canvas, Artboards	Slides	Pages	Camera is the closest thing, BlenderBim plugin has the ability		TechDraw
<b>Stroke</b>	Line, Width	Outline	Outline	Edge	Stroke	Stroke	Group (layers)	Group		Vertex Group		
<b>Fill</b>	Hatch	Fill	Fill	Face	Fill	Fill	Line			Edge		
<b>Link to external file</b>	External Reference (attach)	Layer (add)	Layer (add), Another QGIS file (embed)	N/A (But you can reload components)	Link (place)	Link (place)	Paint/Fill			Face		
<b>Animations</b>	Recorded Walk View	In ArcScene	Time Manager	Fly Through	Link (place)	Link (place)	Smart Object (linked) Timeline, Frameanimations	Animations		Link (.blend file)		Assembly 4
<b>Masterpages</b>	Can use Block	Map Template	Can use template or Atlas	N/A	N/A - Can use multiple artboards and layers	Masterpages		Slide Master, Notes Master, Handout Master				
<b>Layer States</b>	Layer States	N/A But new data frame does a similar thing	Visibility Presets, Map Themes	Scenes, Views			N/A			Not available		
<b>Export Bundled files</b>	e-transmit	Map Package (doesn't always work)	Qconsolidate plugin, or Multiclipper plugin	n/a		Package			Portfolio			
<b>Spatial Bookmarks</b>	Views	Bookmarks	Spatial Bookmark	Views						View Layers		
<b>Alternate Layouts</b>	Multiple Layouts, Viewports	Data Generated Layout, Different	Atlas, Report, Multiple Composers			Alteranate Layout	Artboard	Slide Master, Notes Master, Handout Master				
<b>Layers Panel Based on Scale Instructor</b>	Layers Properties (LA)	Table of Contents	Layers Panel			Layers Panel	Layers Panel					
<b>Labels</b>	Annotative Text/Symbols	Default	Default	Instructor		Tool Tips	Learn					
<b>Plugin</b>	Annotation (Leaders, Mtext, Dimensions)	Labels	Labels									
	App	Ad-in (python scripts) Extension (Esri added functionality)	Plugin	Extension				Add-ins		Add-on		