AAT Associative Relationships Crosswalk

To use: Begin with vertical column on left: Find intersection of entity in vertical row with another entity in horizontal columns. Where reciprocal relationship is different in opposite direction, only one direction is given here.

See AAT Associative Relationship Matrix (spreadsheet) for full relationships and examples

	activity/ event/ [process/ function, Activities]	attributes/ associated concepts [from PA & AC]	field/discipline [in Activities- Disciplines]	genus/ species [others, Living Organisms]	language [in Assoc Con]	locus/ setting [built work, settlement, feature, Built Environ-ment]	material [Mater-ials]	role [people, organizations in Agents; excluding living organisms]	style/ period/ culture/ [religion, ideology, S & P, AC]	things/ [equip- ment, Objects, also art genres from AC]	any [anything]
activity/ event/ [process/ function, Activities]	2203 – activity/ event – associated with – activity/ event Easter is associated with Lent; cavalry exercises are associated with dressage 2205-2206 activity/ event – causes/is required – activity/ event on-demand printing causes/ is required for on-demand publishing; preserving causes/is required for preservation	2607- 2608 attributes/ assoc con — are caused by/ require — activity/ event watertightness is caused by/requires waterproofing; creases (condition) is caused by/requires creasing (process)	activity/ event - is involved in - field/ discipline journalistic photography is involved in photojournalism (discipline); gardening is involved in horticulture			2421- 2422 locus/ setting — is locus/ setting for — activity/ event smelters (metalworking plants) are the locus/setting for smelting; pilgrimage centers are the locus/setting for pilgrimages	2415- 2416 material – is required for – activity/ event dye is required for dying; pewter is required for pewtersmithing 2424 2425 material – is produced by – activity/ event wire is produced by wiredrawing; paper is produced by papermaking	activity/ event - performed by - role clockmaking is performed by clockmakers; curating is performed by curators 2318- 2319 role - involved in - activity/ event bridegrooms are involved in weddings; martyrs are involved in martyrdoms	2554- 2555	things — produced by — activity/ event vase paintings (visual works) are produced by vase painting (image making); forgeries are produced by forging (copying) 2431- 2432 things — are required for — activity/ event painting equipment is required for painting (image making); dowels are required for doweling 2434- 2435 things — are contextualized in — activity/ event funeral books are contextualized in funerals; Christmas trees are contextualized in Christmas	

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attributes / associated concepts [from PA & AC]	2607-2608 attributes/ assoc con – are caused by/ require – activity/ event watertightness is caused by/requires waterproofing; creases (condition) is caused by/requires creasing (process)						2612- 2613 attributes/ assoc con – possessed by/ existing in – material dry rot is possessed by/ existing in wood(plant material); dielectric properties are possessed by/ existing in dielectric (material)	2601-2602 attributes/ assoc con — are possessed by/ existing in — role adulthood is possessed by/existing in adults; nomadism is possessed by/existing in nomads		2604- 2605 attributes/ assoc con – are possessed by/ existing in – things boudoir (photograph size) is possessed by/existing in boudoir photographs; ruined [condition] is possessed by/existing in ruins	2884-2885 attributes / associated concepts - [are] involved with - any climate is involved with climate change; insect damage is involved with infestation; Celtic crosses (design motif) are involved with Celtic culture
brand name [BN]	2894- 2895 activity/event/[process/ function] - [is] exemplified by - brand name deacidification [process/ function] is exemplified by Papersave Process (TM)						2802-2803 material - [is] exemplified by - brand name petrolium jelly is exemplified by Vaseline (TM); polytetrafluoroethylene is exemplified by Teflon (TM)			2891- 2892 things - [are] exemplied by - brand name photothermographic transfer prints are exemplified by Pictrography (TM) prints	
field/discipline [in Activities- Disciplines]	2411-2412 activity/ event — is involved in — field/ discipline journalistic photography is involved in photojournalism (discipline); gardening is involved in horticulture					2408- 2409 locus/ setting – is locus/ setting for – field/ discipline schools (buildings) are the locus/setting for education; hospitals (buildings) are the locus/setting for medicine (discipline)		2285-2286 field/ discipline — practiced/ studied by — role Egyptology is practiced/studied by Egyptologists; architectural history is practiced/studied by architectural historians	2557- 2558 field/ discipline – reflects – style/ period bugatu [dance discipline] reflects Buddhism; classics (discipline) reflects Ancient Greek [culture]	2418- 2419 field/discipline – uses – things astronomy uses astronomical instruments; divination [discipline] uses divination objects	2397-2398 any – is focus of – field/ discipline manuscripts are the focus of codicology; music is the focus of musicology; Plantae (kingdom) is the focus of botany

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genus/ species [others, Living Organisms]				2831 -genus/ species - [is] associated with - genus/species Anthonomus grandis (species) [boll weevil] is associated with Gossypium (genus) [cotton]; Amphiprioninae (subfamily) [clown fish] is associated with Actiniaria (order) [sea anemone] 2833-2834 genus/species - is ancestor of - genus/species Canis lupus is the ancestor of Canis familiaris; Equus asinus is the ancestor of donkeys		2845- 2846 genus/species - [is] used/ located in - locus/setting Elephantidae(family) are located in elephant houses; Vitaceae (family) is located in vineyards	2841- 2842 material - [is] derived/made from - genus/species alpaca (wool) is derived from Vicugna pacos (species); maple (wood) is derived from Acer (genus)	role – act upon – genus/ species jockeys act upon Equus caballus (species); tappers act upon Acer saccharum (species)		things - [are] derived/made from - genus/species [or its parts] kākaku are derived/made from Phormium tenax (species); ostrichegg cups are derived/made from Struthio camelus (species) 2852- 2853 genus/species - [is] involved with - things/ [equipment] Rosa (genus) is involved with rose bowls; Camelus (genus) is involved with camel saddles	

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language [in Assoc Con]					2878- 2879 language - preceded/[is] source for - language Ancient Greek (language) preceded/is source for Greek (modern language); Ancient Egyptian (language) preceded/ is source for Egyptian, Coptic (language)				2875- 2876 language - [is] characteristic of - style/period/ culture Afar (language) is characteristic of Afar (culture); Celtic (language) was characteristic of Celtic (culture)	2881- 2882 language - [is] reflected in — things Greek (language) is reflected in Greek alphabet; Sanskrit is reflected in Vedas	
locus/ setting [built work, settlement, feature, Obj- Blt Environ- ment]	2421- 2422 locus/ setting — is locus/ setting for — activity/ event smelters (metalworking plants) are the locus/setting for smelting; pilgrimage centers are the locus/setting for pilgrimages		2408- 2409 locus/ setting - is locus/ setting for — field/ discipline schools (buildings) are the locus/setting for education; hospitals (buildings) are the locus/setting for medicine (discipline)	2845- 2846 genus/species - [is] used/ located in - locus/setting Elephantidae(family) are used/located in elephant houses; Vitaceae (family) is used/located in vineyards		2294 – 2295 locus/setting – [is] locus/setting [for] – locus/setting nations are the locus/setting for national capitals; mountain ranges are the locus/setting for mountains	2504- 2505 material – used/ located in – locus/ setting tephra is used/located in [at] volcanoes; brick (clay product) is used/located in brickworks (factories)	2291- 2292 locus/setting — is locus/ setting for — role roperies are the locus/setting of rope-makers; convents (built complexes) are the locus/setting of nuns; libraries (buildings) are the locus/setting of libraries (institutions)	2562-2563 locus/ setting — is locus/setting for — style/ period First Nations reserves are the locus/setting for First Nations (culture); agraharas are the locus/setting for Brahmanism	2208-2209 locus/setting — locus setting for — things on-demand printing causes/ is required for on-demand publishing; preserving causes/is required for preservation	

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material [Materials]	2415- 2416 material – is required for – activity/ event dye is required for dying; pewter is required for pewtersmithing 2424 2425 material – is produced by – activity/ event wire is produced by wiredrawing; paper is produced by papermaking			2841- 2842 material - [is] derived/made from - genus/species alpaca (wool) is derived from Vicugna pacos (species); maple (wood) is derived from Acer (genus)		2504- 2505 material – used/ located in – locus/ setting tephra is used/located in [at] volcanoes; brick (clay product) is used/located in brickworks (factories)	2807- material - [is] derived from common source [with] — material malachite (mineral) is derived from common source with azurite (mineral); mustard (material) is derived from common source with mustard oil 2814- 2815 material - [is] constituent of — material titanium white is a constituent of composite white; iron oxide is a constituent of desert varnish 2817- 2818 material - [is] derived/ made from — material gypsum is derived/made from from anhydrite; wood board is derived/made from timber (lumber) 2826- material - [is] used with — material watercolor paper is used with watercolor (paint); arriccio is used with intonaco 2886-2887 material — used/functions as— material carbon disulfide is used/functions as solvent; solvent exemplified by carbon disulfide	2315- 2316 material – used by – role precious stone is used by lapidiaries; brass (alloy) is used by braziers (metalworkers)		things – made of/require – material obsidian mirrors are made of/require obsidian; ivories (sculptures) are made of/require ivory 2507- 2508 things – produce/ process – material cotton (fiber) is produced/processed by cotton gins; groundwater is produced/processed by water wells 2828- 2829 things - use/require – material oil paintings use/require varnish; wine glasses use/require wine	

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role [people, organizations in Agents; not living organisms]	2311- 2312 activity/ event – performed by – role clockmaking is performed by clockmakers; curating is performed by curators 2318- 2319 role – involved in – activity/ event bridegrooms are involved in weddings; martyrs are involved in martyrdoms	2601- 2602 attributes/ assoc con –	2285-2286 field/ discipline — practiced/ studied by — role Egyptology is practiced/ studied by Egyptologists; architectural history is practiced/studie d by architectural historians	2221-2222 role — act upon — genus/ species jockeys act upon Equus caballus (species); tappers act upon Acer saccharum (species)		locus/setting — is locus/setting for — role roperies are the locus/setting of rope-makers; convents (built complexes) are the locus/setting of nuns; libraries (buildings) are the locus/setting of libraries (institutions)	2315- 2316 material – used by – role precious stone is used by lapidiaries; brass (alloy) is used by braziers (metalworkers)	2281 – role – have counterpart – role [only special cases; typical gender counterparts are UFs] duchesses have counterpart dukes; godesses have counterpart gods 2332- 2333 role – affiliated with – role [organization] students are affiliated with schools (organizations); dukes are affiliated with duchies	2335-2336 role — associated with — style/period/culture abstract artists are associated with Abstract (fine arts style); popes are associated with Roman Catholicism	things — used by — role violoncellos are used by violoncellists; surveying instruments are used by surveyors 2325- 2326 things — created by — role drawings are created by draftsmen; poems are created by poets 2328- 2329 role — involved with — things sitters are involved with portraits; actors (performing artists) are involved with motion pictures (visual works)	

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style/ period/ culture/ [religion, ideology, S & P, AC]	2554- 2555 activity/ event – reflects – style/ period dhokra (casting technique) reflects Dhokra (culture); red-figure vase painting reflects Red-figure [style]		2557- 2558 field/ discipline — reflects — style/ period bugatu [dance discipline] reflects Buddhism; classics (discipline) reflects Ancient Greek [culture]		2875- 2876 language - [is] characteristic of - style/ period/ culture Afar (language) is characteristic of Afar (culture); Celtic (language) was characteristic of Celtic (culture)	2562- 2563 locus/ setting — is locus/ setting for — style/ period First Nations reserves are the locus/setting for First Nations (culture); agraharas are the locus/setting for Brahmanism		2335-2336 role — associated with — style/period/ culture abstract artists are associated with Abstract (fine arts style); popes are associated with Roman Catholicism	style/period/ culture/ [religion/ ideology] - coexisted with - style/period/ culture Sangoan coexisted with Fauresmith; Early Minoan coexisted with Prepalatial 2811- 2812 style/period/ culture/ [religion/ ideology] - preceded - style/period/ culture/ Impressionist preceded Abstract Impressionist; Acheulian preceded Micoquian 2824- style/period/ culture/ [religion/ ideology] - has parallels with - style/period/ culture/ [religion/ ideology] - has parallels with - style/period/ culture/ [religion/ ideology] - has parallels with - style/period/ culture/ [religion/ ideology] - has parallels with - style/period/ culture/ Lagozza [culture] has parallels with Chasseen [culture]; Gnathian (pottery style) has parallels with West Slope (pottery style)	things – reflect/ are produced by – style/ period Nasca lines reflect/are produced by Nasca [culture]; Judaica reflects/is produced by Judaism	

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things/ [equip- ment, Objects; also art genres from AC]	2427- 2428 things — produced by — activity/ event vase paintings (visual works) are produced by vase painting (image making); forgeries are produced by forging (copying) 2431- 2432 things — are required for — activity/ event painting equipment is required for painting (image making); dowels are required for doweling 2434- 2435 things — are contextualized in — activity/ event funeral books are contextualized in funerals; Christmas trees are contextualized in Christmas	2604- 2605 attributes/ assoc con — are possessed by/ existing in — things boudoir (photograph size) is possessed by/existing in boudoir photographs; ruined [condition] is possessed by/existing in ruins	field/ discipline — uses — things astronomy uses astronomical instruments; divination [discipline] uses divination objects	things - [are] derived/made from - genus/species [or its parts] kākaku are derived/made from Phormium tenax (species); ostrich- egg cups are derived/made from Struthio camelus (species) 2852-2853 genus/species - [is] involved with - things/ [equipment] Rosa (genus) is involved with rose bowls; Camelus (genus) is involved with camel saddles	2881- 2882 language - [is] reflected in — things Greek (language) is reflected in Greek alphabet; Sanskrit is reflected in Vedas	setting — locus setting for — things on-demand printing causes/ is required for on-demand publishing; preserving causes/is required for preservation	2501- 2502 things — made of/ require — material obsidian mirrors are made of/require obsidian; ivories (sculptures) are made of/require ivory 2507- 2508 things — produce/ process — material cotton (fiber) is produced/processed by cotton gins; groundwater is produced/processed by water wells 2828- 2829 things - use/require — material oil paintings use/require varnish; wine glasses use/require wine	things – used by – role violoncellos are used by violoncellists; surveying instruments are used by surveyors 2325-2326 things – created by – role drawings are created by draftsmen; poems are created by poets 2328-2329 role – involved with – things sitters are involved with portraits; actors (performing artists) are involved with motion pictures (visual works)	things — reflect/ are produced by — style/ period Nasca lines reflect/are produced by Nasca [culture]; Judaica reflects/is produced by Judaism	2211-2212 things - produce — things stereoscopic cameras produce stereoscopic photographs; punches (marking tools) produce punchwork 2215-2216 things - required for things eyelets are required for broderie anglaise; compact disc players 2218-2219 things - used/function as — things arc lamps are used/function as lighthouse lamps; toile peinte is used/function as cartoons (working drawings) 2801- things - conjuncted with saucers; dining tables are conjuncted with dining chairs 2805- 2806 [smaller] things - contextualized in altarpieces; chapters are contextualized in altarpieces; chapters are contextualized in books	

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any [anything]		2884- 2885 attributes / associated concepts - [are] involved with - any climate is involved with climate change; insect damage is involved with infestation; Celtic crosses (design motif) are involved with Celtic culture	2397- 2398 any – focus of – field/ discipline manuscripts are the focus of codicology; music is the focus of musicology; Plantae (kingdom) is the focus of botany								2000 – any – related to – any [unexplained usually contribution] gulf red is related to light red (pigment) 2001 – any formerly referred to – any gigues formerly referred to fiddles 2100- any – distinguished from – any abandoned farms are distinguished from outsider art 2110 – any – meaning/ usage overlaps with – any chimney caps has meaning/ usage that overlaps with chimney hoods; scribes has meaning/usage that overlaps with copyists

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										any - [is] based on — any Neo-Gothic is based on Gothic (Medieval); curved [form attribute] is based on curves (geometric figures); pencils are based on plummets 2900- any - [has] miscellaneous relationship [to] - any Conditions and Effects has miscellaneous relationship with Processes and Techniques