FINDS: Research Process Model – Summary K-12 Scope and Sequence

Table of Contents

Focus on the information need

- 1.1 Identify area of inquiry
- 1.2 Decide how much information is needed
- 1.3 Develop a search action plan and timeline

Investigate resources to search for answers

- 2.1 Locate print and digital resources
- 2.2 Apply evaluative criteria to select the best resources to answer search question
- 2.3 Demonstrate an understanding of how information is organized and located
- 2.4 Exhibit responsible care and use of materials, e-resources, equipment, and facilities

Note and Evaluate facts

- 3.1 Read, evaluate, and select information to answer search need
- 3.2 Take notes and record data required for citations
- 3.3 Analyze information gathered and compare with research need

Develop information in knowledge for presentation

- 4.1 Select a presentation format appropriate for the topic, audience, and purpose
- 4.2 Analyze and synthesize collected information
- 4.2 Communicate information and ideas using a variety of formats and media

Score

- 5.1 Apply and develop evaluative criteria for information or product
- 5.2 Reflect on the search process, noting strengths and weaknesses
- 5.3 Make recommendations for improving and applying process

Revised 3/18/2015 Page 1 of 17

Table of Contents – Focus

- 1.1 Identify area of inquiry, working in groups or individually
- 1.2 Decide how much information is needed
- 1.3 Develop a search action plan and timeline, working in groups or individually

FINDS: Research Process Model – Focus K-12 Scope and Sequence

Focus on the information need –

1.1 Identify area of inquiry, working in groups or individually. (Return to list)

Kindergarten	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth/Tenth	Eleventh/ Twelfth
K.1.1.1 Ask	1.1.1.1 Ask	2.1.1.1 Activate	3.1.1.1 Activate	4.1.1.1 Activate	5.1.1.1 Activate	6.1.1.1 Activate	7.1.1.1 Activate	8.1.1.1 Activate	910.1.1.1 Activate	1112.1.1.1
questions to	questions to	prior knowledge	prior and	Activate prior and						
obtain	obtain	to select topic	background							
information,	information,	when appropriate,	knowledge to							
collaborating with	collaborating with	collaborating with	select topic when							
others if working	others if working	others if working	appropriate,							
in group.	in group.	in group.	collaborating with							
			others if working							
			in group.							
K.1.1.2 Narrow or	1.1.1.2 Narrow or	2.1.1.2 Narrow or	3.1.1.2 Narrow or	4.1.1.2 Narrow or	5.1.1.2 Narrow or	6.1.1.2 Narrow or	7.1.1.2 Narrow or	8.1.1.2 Narrow or	910.1.1.2 Narrow	1112.1.1.2
broaden topic.	broaden topic.	broaden topic.	broaden topic.	broaden topic.	broaden topic.	broaden topic.	broaden topic.	broaden topic.	or broaden topic.	Narrow or
										broaden topic.
	1.1.1.3 Use	2.1.1.3 Use	3.1.1.3 Use	4.1.1.3 Use	5.1.1.3 Use	6.1.1.3 Generate	7.1.1.3 Generate	8.1.1.3 Generate a	910.1.1.3	1112.1.1.3
	brainstorming or	brainstorming,	brainstorming,	brainstorming,	brainstorming,	presearch	presearch	range of presearch	Generate a range	Generate a range
	webbing to write	webbing, or	webbing, or	webbing, or	webbing, or	questions through	questions through	questions through	of presearch	of presearch
	presearch	graphic organizers	graphic organizers	graphic organizers	graphic organizers	brainstorming and	brainstorming and	brainstorming and	questions through	questions through
	questions.	to write presearch	to write presearch	to write presearch	to write presearch	use of graphic	use of graphic	use of graphic	brainstorming and	brainstorming and
		questions.	questions.	questions.	questions.	organizers.	organizers.	organizers.	use of graphic	use of graphic
									organizers.	organizers.
			3.1.1.4 Define	4.1.1.4 Define	5.1.1.4 Define	6.1.1.4 Define	7.1.1.4 Define	8.1.1.4 Define	910.1.1.4 Define	1112.1.1.4 Define
			search terms (e.g.,							
			alternate terms,	alternate terms,	alternate terms,	Boolean search				
			keywords).	keywords).	keywords).	operators,	operators,	operators,	operators,	operators,
						alternate terms,				
						keywords).	keywords).	keywords).	keywords).	keywords).
			3.1.1.5 Formulate	4.1.1.5 Formulate	5.1.1.5 Formulate	6.1.1.5 Formulate	7.1.1.5 Formulate	8.1.1.5 Formulate	910.1.1.5	1112.1.1.5
			a statement of	a statement of	a statement of	a thesis or	a thesis or	a thesis or	Formulate a thesis	Formulate a thesis
			purpose.	purpose.	purpose.	statement of	statement of	statement of	or statement of	or statement of
						purpose.	purpose.	purpose.	purpose.	purpose.

Revised 3/18/2015 Page 2 of 17

Focus on the information need –

1.2 Decide how much information is needed, working in groups or individually. (Return to list)

Kindergarten	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth/Tenth	Eleventh/ Twelfth
	1.1.2.1 Recognize	2.1.2.1 Recognize	3.1.2.1 Recognize	4.1.2.1 Recognize	5.1.2.1 Recognize	6.1.2.1 Recognize	7.1.2.1 Recognize	8.1.2.1 Recognize	910.1.2.1	1112.1.2.1
	when there is a	need for multiple	need for multiple	need for multiple	need for multiple	Recognize need	Recognize need			
	need for more	need for more	need for more	need for more	information	information	information	information	for multiple	for multiple
	than one source of	sources.	sources.	sources.	sources.	information	information			
	information.	information.	information.	information.					sources	sources.
	1.1.2.2 Predict	2.1.2.2 Predict	3.1.2.2 Identify	4.1.2.2 Identify	5.1.2.2 Identify	6.1.2.2 Identify	7.1.2.2 Identify	8.1.2.2 Identify	910.1.2.2 Identify	1112.1.2.2
	possible sources	possible sources	possible sources	possible sources	possible sources	potential	potential	potential	potential	Identify potential
	of appropriate	of appropriate	of appropriate	of information.	of information.	information	information	information	information	information
	materials.	materials.	materials.			sources.	sources.	sources.	sources.	sources.

Focus on the information need –

1.3 Develop a search action plan and timeline, working in groups or individually. (Return to list)

Kindergarten	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth/Tenth	Eleventh/ Twelfth
K.1.3.1 Work	1.1.3.1 Work	2.1.3.1 Work	3.1.3.1 Work	4.1.3.1 Work	5.1.3.1 Work	6.1.3.1 Work	7.1.3.1 Work	8.1.3.1 Work	910.1.3.1 Work	1112.1.3.1 Work
individually or in	individually or in	individually or in	individually or in	individually or in	individually or in	individually or in	individually or in	individually or in	individually or in	individually or in
cooperative group	cooperative group	cooperative group	cooperative group	cooperative group	cooperative group	cooperative group	cooperative group	cooperative group	cooperative group	cooperative group
to decide who can	to decide who can	to decide who can	to contribute to a	to develop a	to develop a	to develop a	to develop a	to develop a	to develop a	to develop a
assist in locating	assist in locating	assist in locating	librarian/teacher-	simple search	search action plan	search action plan	search action plan	search action plan	search action plan	search action plan
an answer to a	an answer to a	information for a	devised search	action plan which	with timeline	with timeline	with timeline	with timeline	with timeline	with timeline
librarian/teacher	librarian/teacher	librarian/teacher	action plan which	lists:	which lists:	which lists:	which lists:	which lists:	which lists:	which lists:
directed activity.	directed activity.	directed activity.	lists: • topic and	topic and subtopics;	topic and subtopics;	topic and subtopics;	topic and subtopics;	 topic and subtopics; 	topic and subtopics;	• topic and subtopics;
			subtopics; • keywords and	 keywords and alternate terms; 	 keywords and alternate terms; 	 keywords and alternate terms; 	 keywords and alternate terms; 			
			alternate terms; • presearch	presearch questions;	presearch questions;	presearch questions;	• presearch questions	• presearch questions;	• presearch questions;	 presearch questions;
			questions;	 possible 	 possible 	thesis or	• thesis or	• thesis or	• thesis or	• thesis or
			 possible 	information	information	statement of	statement of	statement of	statement of	statement of
			information	sources; and	sources;	purpose;	purpose;	purpose;	purpose;	purpose;
			sources; and	• people to	 people to 	 possible 	• possible	 possible 	 possible 	• possible
			• people to	provide	provide	information	information	information	information	information

Revised 3/18/2015 Page 3 of 17

Focus on the information need –

1.3 Develop a search action plan and timeline, working in groups or individually. (Return to list)

Kindergarten	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth/Tenth	Eleventh/ Twelfth
			provide assistance with research (e.g., teacher, parents, school and/or public librarian).	assistance with research (e.g., teacher, parents, school and/or public librarian)	assistance with research (e.g., teacher, parents, school and/or public librarian); and due dates for project.	sources; • people to provide assistance with research (e.g., teacher, subject specialists, school and/or public librarian); and • due dates for project.	sources; • people to provide assistance with research (e.g., teacher, subject specialists, school and/or public librarian); and • due dates for project.	sources; • people to provide assistance with research (e.g., teacher, subject specialists, school and/or public librarian); and • due dates for project.	sources; • people to provide assistance with research (e.g., teacher, subject specialists, school and/or public librarian); and • due dates for projects.	sources; • people to provide assistance with research (e.g., teacher, subject specialists, school and/or public librarian); and • due dates for project phases.
			3.1.3.2 Understand online navigation procedures (e.g., buttons, toolbar, links, favorites or bookmarks).	4.1.3.2 Understand online navigation procedures (e.g., toolbar, links, favorites or bookmarks).	5.1.3.2 Understand online navigation procedures (e.g., toolbar, links, favorites or bookmarks).	6.1.3.2 Understand online navigation procedures (e.g., toolbar, links, favorites or bookmarks).	7.1.3.2 Understand online navigation procedures (e.g., toolbar, links, favorites or bookmarks).	8.1.3.2 Understand online navigation procedures (e.g., toolbar, links, favorites or bookmarks).	910.1.3.2 Understand online navigation procedures (e.g., toolbar, links, favorites or bookmarks).	Understand online navigation procedures (e.g., toolbar, links, favorites or bookmarks).
					5.1.3.3 Sequence the steps in the research process.	6.1.3.3 Sequence the steps in the research process.	7.1.3.3 Sequence the steps in the research process.	8.1.3.3 Sequence the steps in the research process.	910.1.3.3 Sequence the steps in the research process.	Sequence the steps in the research process.

Revised 3/18/2015 Page 4 of 17

Table of Contents – Investigate

- 2.1 Locate print and digital resources
- 2.2 Apply evaluative criteria to select the best resources to answer search question
- 2.3 Demonstrate an understanding of how information is organized and located
- 2.4 Exhibit responsible care and use of materials, e-resources, equipment and facilities

FINDS: Research Process Model – Investigate K-12 Scope and Sequence

Investigate resources to search for answers –

2.1 Locate print and digital resources, working in groups or individually. (Return to list)

2.1 Locate p	Time and digi	and digital resources, working in groups of marviadary. (Return to list)											
Kindergarten	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth/Tenth	Eleventh/ Twelfth			
K.2.1.1 Select	1.2.1.1 Select	2.2.1.1 Select	3.2.1.1 Retrieve	4.2.1.1 Retrieve	5.2.1.1 Retrieve	6.2.1.1 Retrieve	7.2.1.1 Retrieve	8.2.1.1 Retrieve	910.2.1.1 Retrieve	1112.2.1.1			
books from easy	books from easy	books from easy	fiction, nonfiction,	Retrieve fiction,									
shelves based on	and fiction	and fiction	and reference	nonfiction, and									
personal interests;	collections, using	collections, using	books from	reference books									
choose books	author's surname;	author's surname;	shelves using call	from shelves									
from library	choose books	locate nonfiction	numbers.	using call									
display for	from library	books using								numbers.			
classroom	display for	library signage,											
projects.	classroom	beginning to											
	projects.	recognize that											
		nonfiction section											
		is arranged by DDC numbers.											
K.2.1.2 Recognize	1.2.1.2 Recognize	2.2.1.2 Use a	3.2.1.2 Use title,	4.2.1.2 Use title,	5.2.1.2 Use title,	6.2.1.2 Use	7.2.1.2 Use	8.2.1.2 Use	910.2.1.2 Use	1112.2.1.2 Use			
that the library	that the library	keyword search in	subject, author, or	subject, author, or	subject, author, or	advanced search							
catalog has	catalog has	a school or public	keyword searches	keyword searches	keyword searches	strategies to locate							
information about	information about	library online	to locate resources	to locate resources	to locate resources	resources using an							
all the books and	all the books and	public access	in the school or	in the school or	the school or	online public							
materials in the	materials in the	catalog (OPAC).	public library	public library	public library	access catalog							
library media	library media		online public	online public	online public	(OPAC) in the							
center.	center.		access catalog	access catalog	access catalog	local school,							
			(OPAC).	(OPAC).	(OPAC).	district, and public	district, and public	district, and public	district, public, or	district, public, or			
						libraries.	libraries.	libraries.	university	university			
									libraries.	libraries.			
K.2.1.3 Identify	1.2.1.3 Identify	2.2.1.3 Identify	3.2.1.3 Identify	4.2.1.3 Identify	5.2.1.3 Identify	6.2.1.3 Identify	7.2.1.3 Identify	8.2.1.3 Identify	910.2.1.3 Identify	111210.2.1.3			
appropriate	appropriate	appropriate	appropriate	appropriate	appropriate	appropriate	appropriate	appropriate	appropriate	Identify			
resources to	resources to	resources to	resources to	resources to	resources to	resources to	resources to	resources to	resources to	appropriate			
answer a personal	answer a personal	answer a personal	answer a personal	answer a personal	answer a personal	answer a personal	answer a personal	answer a personal	answer a personal	resources to			
or academic	or academic	or academic	or academic	or academic	or academic	or academic	or academic	or academic	or academic	answer a personal			

Revised 3/18/2015 Page 5 of 17

2.1 Locate print and digital resources, working in groups or individually. (Return to list)

Kindergarten	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth/Tenth	Eleventh/ Twelfth
information need	information need	information need	information need	information need	information need	information need	information need	information need	information need	or academic
from various	from various	from various	from various	from various	from various	from various	from various	from various	from various	information need
locations (e.g.,	locations (e.g.,	locations (e.g.,	locations (e.g.,	locations (e.g.,	locations (e.g.,	locations (e.g.,	locations (e.g.,	locations (e.g.,	locations (e.g.,	from various
school/public	school/public	school/public	school/public	school/public	school/public	school/public	school/public	school/public	school/public	locations (e.g.,
library or book	library or book	library or book	library or book	library or book	library or book	library or book	library or book	library or book	library or book	school/public
store).	store).	store).	store).	store).	store).	store).	store).	store).	store).	library or book
										store).
	1.2.1.4 Use	2.2.1.4 Use	3.2.1.4 Use	4.2.1.4 Use	5.2.1.4 Use	6.2.1.4 Use	7.2.1.4 Use	8.2.1.4 Use	910.2.1.4 Use	1112.2.1.4 Use
	preselected online	preselected online	selected online	subscription-based						
	resources to locate	resources to locate	databases and	online databases	online sources					
	information, with	information, with	other resources	and other digital	(e.g., periodical	(e.g.,				
	teacher or	teacher or	(e.g., dictionaries	resources (e.g.,	and reference	encyclopedias,				
	librarian	librarian	and selected	encyclopedias and	databases) and	databases) and	databases) and	databases) and	databases) and	periodical and
	assistance.	assistance.	Internet sites) with	selected Internet	Internet sites to	reference				
			assistance to	sites) to locate	sites to locate	sites to locate	sites to locate	sites to locate	locate	databases) and
			locate	information.	information.	information.	information.	information.	information.	Internet sites to
			information.							locate
										information.

Investigate resources to search for answers –

2.2 Apply evaluative criteria to select the best resources to answer search question, working in groups or individually. (Return to list)

Kindergarten	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth/Tenth	Eleventh/ Twelfth
K.2.2.1 Understand	1.2.2.1	2.2.2.1	3.2.2.1	4.2.2.1	5.2.2.1	6.2.2.1	7.2.2.1	8.2.2.1	910.2.2.1	1112.2.2.1
that the information	Understand that	Understand that	Understand that	Understand that	Understand that	Understand that	Understand that	Understand that	Understand that	Understand that
need determines the	the information	the information	the information	the information	the information	the information	the information	the information	the information	the information
resources selected	need determines	need determines	need determines	need determines	need determines	need determines	need determines	need determines	need determines	need determines
(e.g., dictionary, nonfiction,	the resources	the resources	the resources	the resources	the resources	the resources	the resources	the resources	the resources	the resources
photograph).	selected (e.g.,	selected (e.g.,	selected (e.g.,	selected (e.g.,	selected (e.g.,	selected (e.g.,	selected (e.g.,	selected (e.g.,	selected (e.g.,	selected (e.g.,
photograph).	dictionary,	dictionary,	dictionary,	dictionary,	encyclopedia,	encyclopedia,	encyclopedia,	encyclopedia,	subject	subject
	nonfiction,	encyclopedia,	encyclopedia,	thesaurus,	almanac,	almanac,	almanac,	almanac,	encyclopedia,	encyclopedia,
	photograph).	nonfiction,	nonfiction,	encyclopedia,	nonfiction,	nonfiction,	nonfiction,	nonfiction,	almanac,	handbook,
		photograph).	photograph).	nonfiction,	newspaper,	newspaper,	newspaper,	newspaper,	nonfiction,	nonfiction,
				newspaper).	magazine, Internet	magazine, Internet	periodical,	periodical,	newspaper,	newspaper,
					source).	source).	Internet source).	Internet source).	periodical,	periodical,
									Internet source).	Internet source).
			3.2.2.2 Begin to	4.2.2.2 Begin to	5.2.2.2 Begin to	6.2.2.2 Apply	7.2.2.2 Create and	8.2.2.2 Create and	910.2.2.2 Create	1112.2.2.2 Create
			apply	apply	apply	predetermined	apply evaluative	apply evaluative	and apply	and apply
			predetermined	predetermined	predetermined	evaluative criteria	criteria for	criteria for	evaluative criteria	evaluative criteria

Revised 3/18/2015

2.2 Apply evaluative criteria to select the best resources to answer search question, working in groups or individually. (Return to list)

Kindergarten	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth/Tenth	Eleventh/ Twelfth
			evaluative criteria	evaluative criteria	evaluative criteria	for selecting	selecting	selecting	for selecting	for selecting
			for selecting	for selecting	for selecting	resources (e.g.,	resources (e.g.,	resources (e.g.,	resources (e.g.,	resources (e.g.,
			resources (e.g.,	resources (e.g.,	resources (e.g.,	relevance,	relevance,	relevance,	relevance,	relevance,
			relevance,	relevance,	relevance,	currency,	currency,	currency,	currency,	currency,
			currency,	currency,	currency,	authority,	authority,	authority,	authority,	authority,
			readability).	authority,	authority,	readability) with	readability) with	readability).	readability).	coverage).
				readability).	readability).	guidance as	guidance as			
			2222	10000	7.0.0.X1 .10	needed.	needed.	0.0.0.0.11	010 0 0 0 11 10	1112222
			3.2.2.3 Begin to	4.2.2.3 Begin to	5.2.2.3 Identify	6.2.2.3 Identify	7.2.2.3 Identify	8.2.2.3 Identify	910.2.2.3 Identify	1112.2.2.3
			identify primary	identify primary	and use primary	and use primary	and use primary	and use primary	and use primary	Identify and use
			sources (e.g.,	sources (e.g.,	sources (e.g.,	sources (e.g.,	sources (e.g.,	sources (e.g.,	sources (e.g.,	primary sources
			letters, family	letters, family	letters, autobiographies,	letters, autobiographies,	letters, autobiographies,	letters, autobiographies,	letters,	(e.g., letters,
			photographs) and secondary sources	photographs) and secondary sources	photographs) and	photographs) and	photographs,	photographs,	autobiographies, photographs,	autobiographies, photographs,
			(e.g., textbooks,	(e.g., textbooks,	secondary sources	secondary sources	speeches) and	speeches) and	interviews,	interviews,
			biographies).	biographies).	(e.g., textbooks,	(e.g., textbooks,	secondary sources	secondary sources	speeches) and	treaties, speeches)
			biographics).	biographics).	biographies,	biographies,	(e.g., textbooks,	(e.g., textbooks,	secondary sources	and secondary
					encyclopedias).	encyclopedias).	biographies,	biographies,	(e.g., textbooks,	sources (e.g.,
					,,-		encyclopedias).	encyclopedias).	biographies).	textbooks,
										biographies,
										historical
										analyses).
				4.2.2.4 Select a	5.2.2.4 Select a	6.2.2.4 Select a	7.2.2.4 Select a	8.2.2.4 Select a	910.2.2.4 Select a	1112.2.2.4 Select
				variety of	variety of	variety of	variety of	variety of	variety of	a variety of
				information	information	information	information	information	information	information
				sources	sources	sources	sources	sources	sources	sources
				representing a	representing a	representing a	representing a	representing a	representing a	representing a
				range of	range of	range of	range of	range of	range of	range of
				viewpoints and	viewpoints and	viewpoints and	viewpoints and	viewpoints and	viewpoints and	viewpoints and
				formats.	formats.	formats.	formats.	formats.	formats.	formats.

Investigate resources to search for answers –

2.3 Demonstrate an understanding of how information is organized and located, working in groups or individually. (Return to list)

Kindergarten	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth/Tenth	Eleventh/ Twelfth
K.2.3.1 Recognize	1.2.3.1 Recognize	2.2.3.1 Recognize	3.2.3.1 Recognize	4.2.3.1 Recognize	5.2.3.1 Recognize	6.2.3.1 Recognize	7.2.3.1 Recognize	8.2.3.1 Recognize	910.2.3.1	1112.2.3.1
that reference	that reference	that reference	that reference	that reference	that reference	that reference	that reference	that reference	Recognize that	Recognize that
information is	information is	information is	information is	information is	information is	information is	information is	information is	reference	reference
- · · · · · · · · · · · · · · · · · · ·	•			•						

Revised 3/18/2015 Page 7 of 17

2.3 Demonstrate an understanding of how information is organized and located, working in groups or individually. (Return to list)

Kindergarten	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth/Tenth	Eleventh/ Twelfth
organized in specific formats (e.g., dictionaries).	organized in specific formats (e.g., dictionaries).	organized in specific formats (e.g., dictionaries, encyclopedias, almanacs).	organized in specific formats (e.g., dictionaries, encyclopedias, almanacs, atlases).	organized in specific formats (e.g., dictionaries, encyclopedias, almanacs, atlases).	organized in specific formats (e.g., subject- specific dictionaries, encyclopedias, almanacs, atlases, biographical	organized in specific formats (e.g., subject- specific dictionaries, encyclopedias, almanacs, atlases, biographical	organized in specific formats (e.g., subject- specific dictionaries, encyclopedias, almanacs, atlases, biographical	organized in specific formats (e.g., subject- specific dictionaries, almanacs, atlases, biographical sources).	information is organized in specific formats (e.g., subject- specific dictionaries, atlases, biographical	information is organized in specific formats (e.g., subject- specific dictionaries, atlases, biographical
K.2.3.2 Understand that resources may be organized according to type or format either alphabetically or numerically.	1.2.3.2 Understand that resources may be organized according to type or format either alphabetically or numerically.	2.2.3.2 Understand that resources may be organized according to type or format either alphabetically or numerically.	3.2.3.2 Understand that resources may be organized according to type or format either alphabetically, numerically, or topically.	4.2.3.2 Understand that resources may be organized according to type or format either alphabetically, numerically, or topically.	sources). 5.2.3.2 Understand that resources may be organized according to type or format either alphabetically, numerically, topically, chronologically, or graphically.	sources). 6.2.3.2 Understand that resources may be organized according to type or format either alphabetically, numerically, topically, chronologically, or graphically.	sources). 7.2.3.2 Understand that resources may be organized according to type or format either alphabetically, numerically, topically, chronologically, or graphically.	8.2.3.2 Understand that resources may be organized according to type or format either alphabetically, numerically, topically, chronologically, or graphically.	sources). 910.2.3.2 Understand that resources may be organized according to type or format either alphabetically, numerically, topically, chronologically, or graphically.	sources). 1112.2.3.2 Understand that resources may be organized according to type or format either alphabetically, numerically, topically, chronologically, or graphically.
	1.2.3.3 Use headings, captions, keywords, tables of contents, and indexes.	2.2.3.3 Use headings, captions, keywords, glossaries, tables of contents, and indexes. 2.2.3.4 Begin to understand and use the organizational structure of the library (e.g., Dewey Decimal System).	3.2.3.3 Use headings, captions, keywords, glossaries, tables of contents, and indexes. 3.2.3.4 Understand and begin to use the organizational structure of the library (e.g., Dewey Decimal System).	4.2.3.3 Use headings, captions, keywords, glossaries, tables of contents, and indexes. 4.2.3.4 Understand and use the organizational structure of the library (e.g., Dewey Decimal System).	5.2.3.3 Use headings, captions, keywords, glossaries, tables of contents, and indexes. 5.2.3.4 Understand and use the organizational structure of the library (e.g., Dewey Decimal System).	6.2.3.3 Use headings, captions, keywords, glossaries, tables of contents, and indexes. 6.2.3.4 Understand and use the organizational structure of the library (e.g., Dewey Decimal System).	7.2.3.3 Use headings, captions, keywords, glossaries, tables of contents, and indexes. 7.2.3.4 Understand and use the organizational structure of the library (e.g., Dewey Decimal System).	8.2.3.3 Use headings, captions, keywords, glossaries, tables of contents, and indexes. 8.2.3.4 Understand and use the organizational structure of the library (e.g., Dewey Decimal System).	910.2.3.3 Use headings, captions, keywords, glossaries, tables of contents, and indexes. 910.2.3.4 Understand and use the organizational structure of the library (e.g., Dewey Decimal System).	1112.2.3.3 Use headings, captions, keywords, glossaries, tables of contents, and indexes. 1112.2.3.4 Understand and use the organizational structure of a library (e.g., Dewey Decimal System and Library of Congress Classification System).

Revised 3/18/2015 Page 8 of 17

2.4 Exhibit responsible care and use of materials, e-resources, equipment, and facilities, working in groups or individually. (Return to list)

Kindergarten	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth/Tenth	Eleventh/ Twelfth
K.2.4.1 Follow	1.2.4.1 Follow	2.2.4.1 Follow	3.2.4.1 Follow	4.2.4.1 Follow	5.2.4.1 Follow	6.2.4.1 Follow	7.2.4.1 Follow	8.2.4.1 Follow	910.2.4.1 Follow	1112.2.4.1 Follow
procedures for										
circulation and										
timely return of										
materials.										
K.2.4.2 Exhibit	1.2.4.2 Exhibit	2.2.4.2 Exhibit	3.2.4.2 Exhibit	4.2.4.2 Exhibit	5.2.4.2 Exhibit	6.2.4.2 Exhibit	7.2.4.2 Exhibit	8.2.4.2 Exhibit	910.2.4.2 Exhibit	1112.2.4.2 Exhibit
responsible care in										
the use of										
materials,										
equipment, and										
facilities.										
K.2.4.3 Follow	1.2.4.3 Follow	2.2.4.3 Follow	3.2.4.3 Follow	4.2.4.3 Follow	5.2.4.3 Follow	6.2.4.3 Follow	7.2.4.3 Follow	8.2.4.3 Follow	910.2.4.3 Follow	1112.2.4.3 Follow
guidelines and										
etiquette in the use										
of electronic										
information										
sources.										
			3.2.4.4 Begin to	4.2.4.4 Begin to	5.2.4.4	6.2.4.4	7.2.4.4	8.2.4.4	910.2.4.4	1112.2.4.4
			demonstrate							
			responsible use of							
			Internet and other							
			e-resources							
			consistent with the							
			school's							
			Acceptable Use							
			Policy.							

Revised 3/18/2015 Page 9 of 17

Table of Contents – Note and Evaluate

- 3.1 Read, evaluate, and select information to answer search need
- 3.2 Take notes and record data required for citations
- 3.3 Analyze information gathered and compare with research need

FINDS: Research Process Model – Note and Evaluate K-12 Scope and Sequence

Note and evaluate facts –

3.1 Read, evaluate, and select information to answer search need, working in groups or individually. (Return to list)

Kindergarten	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth/Tenth	Eleventh/ Twelfth
K.3.1.1 Use	1.3.1.1 Use	2.3.1.1 Use	3.3.1.1 Use	4.3.1.1 Use	5.3.1.1 Use	6.3.1.1 Use	7.3.1.1 Use	8.3.1.1 Use	910.3.1.1 Use	1112.3.1.1 Use
literacy skills to	literacy skills to	literacy skills and	literacy skills and	literacy skills and	literacy skills and	literacy skills and	literacy skills and	literacy skills and	literacy skills and	literacy skills and
identify relevant	identify relevant	content	content	content	content	content knowledge to	content knowledge to	content	content knowledge to	content
details from a text	details from a text	knowledge to	knowledge to	knowledge to	knowledge to select relevant	C		knowledge to	C	knowledge to
or oral	or oral	select relevant	select relevant	select relevant		select and analyze	select and analyze	select and analyze	select and analyze	select and analyze
presentation to	presentation to	details from a text	relevant details	relevant details	relevant details	relevant details	relevant details			
answer a search	answer a search	or oral	or oral	or oral	or oral	and concepts from	and concepts from	and concepts from	and concepts from	and concepts from
question.	question.	presentation to	presentation to	presentation to	presentation to	a text or oral	a text or oral	a text or oral	a text or oral	a text or oral
		answer a search	answer a search	answer a search	answer a search	presentation to	presentation to	presentation to	presentation to	presentation to
		question.	question.	question.	question.	answer a search	answer a search	answer a search	answer a search	answer a search
W 2 1 2 D	1212D	0.2.1.2.D	2212D	4212D	5212D	question.	question.	question.	question.	question.
K.3.1.2 Draw	1.3.1.2 Draw	2.3.1.2 Draw	3.3.1.2 Draw	4.3.1.2 Draw	5.3.1.2 Draw	6.3.1.2 Draw	7.3.1.2 Draw	8.3.1.2 Draw	910.3.1.2 Draw	1112.3.1.2 Draw
evidence from	evidence from	evidence from	evidence from	evidence from	evidence from					
graphs, charts,	graphs, charts,	graphs, charts,	graphs, charts,	graphs, charts,	graphs, charts,					
tables, maps,	tables, maps,	tables, maps,	tables, diagrams,	tables, diagrams,	tables, diagrams,	tables, diagrams,	tables, diagrams,	tables, diagrams,	tables, diagrams,	tables, diagrams,
photographs, and	photographs, and	photographs, and	maps,	maps,	maps, schedules,	maps, schedules,	maps, schedules,	maps, schedules,	maps, schedules,	maps, schedules,
other visuals to	other visuals to	other visuals to	illustrations,	illustrations,	illustrations,	illustrations,	illustrations,	illustrations,	illustrations,	illustrations,
answer search	answer search	answer search	photographs, and	photographs, and	photographs, and	photographs, and	photographs, and	photographs, and	photographs, and	photographs, and
questions.	questions.	questions.	other visuals to	other visuals to	other visuals to	other visuals to	other visuals to	other visuals to	other visuals to	other visuals to
			answer search	answer search	answer search	answer search	answer search	answer search	answer search	answer search
			questions.	questions.	questions.	questions.	questions.	questions.	questions.	questions.
K.3.1.3 Review	1.3.1.3 Review	2.3.1.3 Review	3.3.1.3 Evaluate	4.3.1.3 Evaluate	5.3.1.3 Evaluate	6.3.1.3 Evaluate	7.3.1.3 Evaluate	8.3.1.3 Evaluate	910.3.1.3 Analyze	1112.3.1.3
information	information	information	information	information	information	information	information	information	information	Analyze
gathered for	gathered for	gathered to answer	gathered for	gathered for	gathered for	gathered to	gathered to	gathered to	gathered to	information
appropriateness in	appropriateness in	the search	relevancy and	relevancy and	relevancy and	answer the search	answer the search	answer the search	answer the search	gathered to
answering the	answering the	question, checking	accuracy to	accuracy to	accuracy to	question by	question by	question by	question by	answer the search
search question.	search question.	for	answer the search	answer the search	answer the search	comparing topic	comparing topic	comparing topic	comparing topic	question by
		appropriateness	question by	question by	question by	coverage in	coverage in	coverage in	coverage in	comparing topic
		and accuracy.	comparing topic	comparing topic	comparing topic	multiple sources,	multiple sources,	multiple sources,	multiple sources,	coverage in
			coverage in	coverage in	coverage in	noting point of	noting point of	noting point of	noting point of	multiple sources,
			multiple sources	multiple sources	multiple sources	view (e.g.,	view (e.g., bias,	view (e.g., bias,	view (e.g., bias,	noting point of

Revised 3/18/2015 Page 10 of 17

Note and evaluate facts – 3.1 Read, evaluate, and select information to answer search need, working in groups or individually. (Return to list)

Kindergarten	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth/Tenth	Eleventh/ Twelfth
			(e.g., opinion).	(e.g., opinion).	(e.g., opinion, bias).	opinion, bias).	propaganda).	propaganda).	propaganda).	view (e.g., bias, propaganda).

Note and evaluate facts –

3.2 Take notes and record data required for citations, working in groups or individually. (Return to list)

Kindergarten	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth/Tenth	Eleventh/ Twelfth
K.3.2.1 Identify	1.3.2.1 Identify	2.3.2.1 1 Identify	3.3.2.1 1 Select	4.3.2.1 1 Select	5.3.2.1 1 Select	6.3.2.1 1 Select	7.3.2.1 1 Select	8.3.2.1 1 Select	910.3.2.1 1 Select	1112.3.2.1 1
and record useful	facts on the topic	facts on the topic	facts on the topic	facts on the topic	facts on the topic	facts on the topic	facts on the topic	facts on the topic	facts on the topic	Select facts on the
facts on topic with	with	with	with	with	with	with	with	with	with	topic with
librarian/teacher	librarian/teacher	librarian/teacher	librarian/teacher	librarian/teacher	librarian/teacher	librarian/teacher	librarian/teacher	librarian/teacher	librarian/teacher	librarian/teacher
assistance.	direction and	direction and	direction and	direction and	direction and	direction and	direction and	direction and	direction and	direction and
	compile notes	compile notes	compile notes	compile notes	compile notes	compile notes	compile notes	compile notes	compile notes	compile notes
	using strategies	using strategies	using strategies	using strategies	using strategies	using strategies	using strategies	using strategies	using appropriate	using appropriate
	such as graphic	such as graphic	such as graphic	such as graphic	such as Power	such as Power	such as Power	such as Power	strategies.	strategies.
	organizers or note	organizers or note	organizers or note	organizers or note	Notes, graphic	Notes, graphic	Notes, graphic	Notes, graphic		
	cards.	cards.	cards.	cards.	organizers, or note	organizers, or note	organizers, or note	organizers, or note		
					cards.	cards.	cards.	cards.		
	1.3.2.2 Begin to	2.3.2.2 Begin to	3.3.2.2 Begin to	4.3.2.2 Begin to	5.3.2.2 Recognize	6.3.2.2 Recognize	7.3.2.2 Recognize	8.3.2.2 Recognize	910.3.2.2	1112.3.2.2
	recognize rights of	recognize rights of	recognize	recognize	intellectual	intellectual	intellectual	intellectual	Recognize	Recognize
	authors and	authors and	intellectual	intellectual	property rights.	property rights.	property rights.	property rights.	intellectual	intellectual
	illustrators with	illustrators with	property rights	property rights					property rights.	property rights.
	librarian/teacher	librarian/teacher	with	with						
	direction.	direction.	librarian/teacher	librarian/teacher						
			direction (e.g.,	direction (e.g.,						
			taking notes in	taking notes in						
			words and phrases	words and phrases						
			only).	only).						
		2.3.2.3 Record	3.3.2.3 Record	4.3.2.3 Record	5.3.2.3 Record	6.3.2.3 Record	7.3.2.3 Record	8.3.2.3 Record	910.3.2.3 Record	1112.3.2.3 Record
		sources with	sources of							
		assistance (e.g.,	materials used							
		author and title).	(e.g., author, title,							
			publisher, or	publisher, date, or	place of					
			URL).	URL).	publication,	publication,	publication,	publication,	publication,	publication,
					publisher, date of					
					publication, URL,					
					or date of					
					download).	download).	download).	download).	download).	download).

Revised 3/18/2015 Page 11 of 17

		4.3.2.4 Begin to	5.3.2.4 Observe	6.3.2.4 Observe	7.3.2.4 Observe	8.3.2.4 Observe	910.3.2.4 Observe	1112.3.2.4
		observe ethical	ethical practices	Observe ethical				
		practices	including	including	including	including	including	practices
		including	paraphrasing and	including				
		paraphrasing and	the selective use	paraphrasing and				
		the selective use	of quotations (e.g.,	the selective use				
		of quotations (e.g.,	avoids	avoids	avoids	avoids	avoids	of quotations (e.g.,
		avoids	plagiarism).	plagiarism).	plagiarism).	plagiarism).	plagiarism).	avoids
		plagiarism).						plagiarism).

Note and evaluate facts –

3.3 Analyze information gathered and compare with research need, working in groups or individually. (Return to list)

Kindergarten	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth/Tenth	Eleventh/ Twelfth
	1.3.3.1 Sequence	2.3.3.1 Sequence	3.3.3.1 Sequence	4.3.3.1 Sequence	5.3.3.1 Sequence	6.3.3.1 Sequence	7.3.3.1 Sequence	8.3.3.1 Sequence	910.3.3.1	1112.3.3.1
	information	information	information	information	information	information	information	information	Sequence	Sequence
	alphabetically,	alphabetically,	alphabetically,	alphabetically,	alphabetically,	alphabetically,	alphabetically,	alphabetically,	information	information
	numerically, or	numerically, or	numerically, or	numerically, or	numerically,	numerically,	numerically,	numerically,	alphabetically,	alphabetically,
	categorically, as	categorically, as	categorically, as	categorically, as	categorically, or	categorically, or	categorically, or	categorically, or	numerically,	numerically,
	appropriate.	appropriate.	appropriate.	appropriate.	chronologically,	chronologically,	chronologically,	chronologically,	categorically, or	categorically, or
					as appropriate.	as appropriate.	as appropriate.	as appropriate.	chronologically,	chronologically,
									as appropriate.	as appropriate.
	1.3.3.2 Determine	2.3.3.2 Determine	3.3.3.2 Review	4.3.3.2 Review	5.3.3.2 Review	6.3.3.2 Review	7.3.3.2 Review	8.3.3.2 Review	910.3.3.2 Review	1112.3.3.2
	if question is	if question is	notes and/or	notes and/or	notes and/or	notes and/or	notes and/or	notes and/or	notes and/or	Review notes
	answered with	answered with	information for	information for	information for	information for	information for	information for	information for	and/or information
	librarian/teacher	librarian/teacher	completeness.	clarity and	clarity, coherence,	for clarity,				
	assistance.	assistance.		completeness.	and completeness.	and completeness.	and completeness.	and completeness.	and completeness.	coherence, and
										completeness.
	1.3.3.3 Add new	2.3.3.3 Add new	3.3.3.3 Change	4.3.3.3 Modify	5.3.3.3 Modify	6.3.3.3 Revise	7.3.3.3 Revise	8.3.3.3 Reflect on	910.3.3.3	1112.3.3.3 Reflect
	questions with	questions with	and/or add new	and/or add new	and/or add new	and/or add new	and/or add new	and revise	Reflect on and	on and refine
	librarian/teacher	librarian/teacher	questions, if	questions based	questions based	questions based	questions based	questions based	refine questions	questions based
	guidance, if	guidance, if	appropriate.	on information	on information	on information	on information	on information	based on	on information
	needed.	needed.		gathered.	gathered.	gathered.	gathered.	gathered.	information	gathered or new
									gathered or new	insights on topic.
									insights on topic.	
	1.3.3.4 Search for	2.3.3.4 Search for	3.3.3.4 Search for	4.3.3.4 Search for	5.3.3.4 Search for	6.3.3.4 Search for	7.3.3.4 Search for	8.3.3.4 Search for	910.3.3.4 Search	1112.3.3.4 Search
	additional	additional	additional facts, if	additional facts, if	additional	additional	additional	additional	for additional	for additional
	information, if	information, if	needed.	needed.	information, if					
	needed.	needed.			needed.	needed.	needed.	needed.	needed.	needed.

Revised 3/18/2015 Page 12 of 17

Table of Contents – Develop

- 4.1 Select a presentation format appropriate for the topic, audience, and purpose
- 4.2 Analyze and synthesize collected information
- 4.2 Communicate information and ideas using a variety of formats and media

FINDS: Research Process Model – Develop K-12 Scope and Sequence

Develop information into knowledge for presentation –

4.1 Select a presentation format appropriate for the topic, audience, and purpose, working in groups or individually. (Return to list)

To Defect a	presentation	i ioi mat appi	opilate for the	ne topic, aud	iciice, ana pe	n pose, work	ms m sroup	or marriage	any. (Keturn to	1130)
Kindergarten	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth/Tenth	Eleventh/ Twelfth
K.4.1.1 Use a	1.4.1.1 Use a	2.4.1.1 Use a	3.4.1.1 Choose a	4.4.1.1 Choose a	5.4.1.1 Choose a	6.4.1.1 Choose a	7.4.1.1 Choose a	8.4.1.1 Choose a	910.4.1.1 Choose	1112.4.1.1 Choose
teacher or	teacher or	teacher or	presentation	presentation	presentation	presentation	presentation	presentation	a presentation	a presentation
librarian selected	librarian selected	librarian selected	method from	method from	method based on	method based on				
method to	method to	method to	teacher or	teacher or	appropriateness	appropriateness	appropriateness	appropriateness	appropriateness	appropriateness
communicate	communicate	communicate	librarian choices.	librarian choices.	and personal	and personal				
information.	information.	information.			preference.	preference.	preference.	preference.	preference.	preference.
			3.4.1.2 Begin to	4.4.1.2 Begin to	5.4.1.2 Identify	6.4.1.2 Identify	7.4.1.2 Identify	8.4.1.2 Identify	910.4.1.2 Identify	1112.4.1.2
			identify the	identify the	the strengths and	Identify the				
			strengths and	strengths and	weaknesses of	strengths and				
			weaknesses of	weaknesses of	presentation	presentation	presentation	presentation	presentation	weaknesses of
			presentation	presentation	methods.	methods.	methods.	methods.	methods.	presentation
			methods.	methods.						methods.

Develop information into knowledge for presentation –

4.2 Analyze and synthesize collected information, working in groups or individually. (Return to list)

Kindergarten	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth/Tenth	Eleventh/ Twelfth
K.4.2.1 Draw	1.4.2.1 Draw	2.4.2.1	3.4.2.1	4.4.2.1 Evaluate	5.4.2.1 Evaluate	6.4.2.1 Analyze	7.4.2.1 Analyze	8.4.2.1 Analyze	910.4.2.1	1112.4.2.1
conclusions from	conclusions from	Summarize and	Summarize and	information and	and analyze	and synthesize	and synthesize	and synthesize	Analyze,	Analyze,
information to	information to	draw conclusions	draw conclusions	draw conclusions	information to	information to	information to	information to	synthesize, and	synthesize, and
answer search	answer search	from information	from information	to develop	draw conclusions	draw conclusions	make inferences	make inferences	reflect on	reflect on
question.	question.	to develop	to develop	product.	for product	for product	and draw	and draw	information	information
		product.	product.		development.	development.	conclusions for	conclusions for	gathered to	gathered to
							product	product	conceptualize	conceptualize
							development.	development.	product.	product.

Revised 3/18/2015 Page 13 of 17

Develop information into knowledge for presentation –

4.2 Analyze and synthesize collected information, working in groups or individually. (Return to list)

Kindergarten	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth/Tenth	Eleventh/ Twelfth
		2.4.2.2 Plan	3.4.2.2 Plan	4.4.2.2 Plan	5.4.2.2 Plan	6.4.2.2 Plan	7.4.2.2 Plan	8.4.2.2 Plan	910.4.2.2 Plan	1112.4.2.2 Plan
		product by								
		sequencing facts	sequencing facts	integrating facts	integrating facts	integrating facts	integrating facts	integrating facts	integrating facts	integrating facts
		and ideas using an								
		appropriate								
		organizer (e.g.,								
		webbing).	webbing).	outlining,						
				webbing).	webbing).	storyboarding,	storyboarding,	storyboarding,	storyboarding,	storyboarding,
						webbing).	webbing).	webbing).	webbing).	webbing).

Revised 3/18/2015 Page 14 of 17

Develop information into knowledge for presentation –

4.3 Communicate information and ideas using a variety of formats and media, working in groups or individually. (Return to list)

Kindergarten	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth/Tenth	Eleventh/ Twelfth
K.4.3.1 Convey	1.4.3.1 Convey	2.4.3.1 Convey	3.4.3.1 Use the	4.4.3.1 Use the	5.4.3.1 Use the	6.4.3.1 Use the	7.4.3.1 Use the	8.4.3.1 Use the	910.4.3.1 Use the	1112.4.3.1 Use the
information by	information	information	writing process,	writing process,	writing process;					
sharing ideas and	findings orally,	findings orally,	oral, or visual	oral, or visual	media, oral, and					
experiences.	visually or in	visually or in	techniques to	techniques to	visual techniques;					
	writing with	writing with	create products	create products	and technology					
	teacher and/or	teacher and/or	that express	that express	skills to create					
	librarian	librarian	learning about a	learning about a	products that					
	assistance.	assistance.	topic.	topic.	express new					
					understandings	understandings	understandings	understandings	understandings	understandings
					about a topic.					
			3.4.3.2 Show	4.4.3.2 Show	5.4.3.2 Show	6.4.3.2 Show	7.4.3.2 Show	8.4.3.2	910.4.3.2	1112.4.3.2
			respect for	respect for	respect for	respect for	respect for	Demonstrate	Demonstrate	Demonstrate
			creators by listing	creators by listing	intellectual	intellectual	intellectual	understanding of	understanding of	understanding of
			facts about	facts about	property rights of	property rights of	property rights of	and respect for	and respect for	and respect for
			sources used with	sources used with	creators by	creators by	creators by	copyright laws	copyright laws	copyright laws
			librarian/teacher	librarian/teacher	creating	creating	creating	and intellectual	and intellectual	and intellectual
			guidance (e.g.,	guidance (e.g.,	bibliographies of	bibliographies of	bibliographies of	property rights by	property rights by	property rights by
			author's name,	author's name,	sources used.	sources used.	sources used.	using standard	using standard	using standard
			title).	title, copyright				bibliographic	bibliographic	bibliographic
				date).				format to list	format to list	format to list
								sources and	sources and	sources and
								including	including	including
								quotations and in-	quotations and in-	quotations and in-
								text citations	text citations	text citations
								when appropriate.	when appropriate.	when appropriate.
			3.4.3.3 Revise and	4.4.3.3 Revise and	5.4.3.3 Revise and	6.4.3.3 Revise and	7.4.3.3 Revise and	8.4.3.3 Revise and	910.4.3.3 Revise	1112.4.3.3 Revise
			edit the	edit the	edit the	edit the	edit the	edit the	and edit the	and edit the
			information	information	information	information	information	information	information	information
			product as needed.	product as needed.	product as needed.	product as needed.	product as needed.	product as needed.	product as needed.	product as needed.

Revised 3/18/2015 Page 15 of 17

Table of Contents – Score

- 5.1 Apply and develop evaluative criteria for information or product
- 5.2 Reflect on the search process, noting strengths and weaknesses
- 5.3 Make recommendations for improving and applying process

FINDS: Research Process Model – Score K-12 Scope and Sequence

Score presentation and search –

5.1 Apply and develop evaluative criteria for information problem or product, working in groups or individually. (Return to list)

3.1 Apply a	nd develop e	varuative crit		manon prob	icin or proud	act, working	m groups or	muriduany	• (Ketui ii to iist)	
Kindergarten	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth/Tenth	Eleventh/ Twelfth
K.5.1.1 Recognize	1.5.1.1 Recognize	2.5.1.1 Recognize	3.5.1.1 Use	4.5.1.1 Use	5.5.1.1 Develop	6.5.1.1 Develop	7.5.1.1 Develop	8.5.1.1 Develop	910.5.1.1 Develop	1112.5.1.1
when information	when information	when information	teacher or	teacher or	and use criteria to	Develop and use				
problem is	problem is	problem is	librarian generated	librarian generated	evaluate success	criteria to evaluate				
answered.	answered.	answered.	criteria to evaluate	criteria to evaluate	in answering	success in				
			success in	success in	search question	search question	search question.	search question.	search question.	answering search
			answering search	answering search	with teacher or	with teacher or				question.
			question.	question.	librarian	librarian				
					assistance.	assistance.				
K.5.1.2 Review	1.5.1.2 Review	2.5.1.2 Review	3.5.1.2 Use	4.5.1.2 Use	5.5.1.2 Develop	6.5.1.2 Develop	7.5.1.2 Develop	8.5.1.2 Develop	910.5.1.2 Develop	1112.5.1.2
information	information	information	teacher or	teacher or	and use criteria to	and use a variety	Develop and use a			
product with	product with	product with	librarian generated	librarian generated	evaluate	evaluate	evaluate	evaluate	of evaluative	variety of
teacher or	teacher or	teacher or	criteria to evaluate	criteria to evaluate	information	information	information	information	strategies to assess	evaluative
librarian.	librarian.	librarian.	information	information	product with	product with	product.	product.	information	strategies to assess
			product.	product.	teacher or	teacher or			product.	information
					librarian guidance.	librarian guidance.				product.

Score presentation and search –

5.2 Reflect on the search process, noting strengths and weaknesses, working in groups or individually. (Return to list)

Kindergarten	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth/Tenth	Eleventh/ Twelfth
K.5.2.1 Answer	1.5.2.1 Answer	2.5.2.1 Reflect on	3.5.2.1 Reflect on	4.5.2.1 Reflect on	5.5.2.1 Reflect on	6.5.2.1 Reflect on	7.5.2.1 Reflect on	8.5.2.1 Reflect on	910.5.2.1 Reflect	1112.5.2.1 Reflect
teacher or	teacher or	search process	on search process	on search process						
librarian questions	librarian questions	during oral	during oral	through oral	through oral	through oral	through oral	orally, visually, or	orally, visually, or	orally, visually, or
concerning search	concerning search	discussion.	discussion.	discussion or	discussion or	discussion or	discussion or	in writing,	in writing,	in writing,
process.	process.			writing exercise,	writing exercise,	writing exercise,	writing exercise,	identifying	identifying	identifying skills
				identifying	identifying	identifying	identifying	strengths and	strengths and	that require
				strengths and	strengths and	strengths and	strengths and	weaknesses.	weaknesses.	practice and
				weaknesses.	weaknesses.	weaknesses.	weaknesses.			refinement.

Revised 3/18/2015 Page 16 of 17

Score presentation and search –

5.3 Make recommendations for improving and applying process, working in groups or individually. (Return to list)

Kindergarten	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth/Tenth	Eleventh/ Twelfth
K.5.3.1 Explain	1.5.3.1 Explain	2.5.3.1 Explain	3.5.3.1 Explain	4.5.3.1 Explain	5.5.3.1 Assess the	6.5.3.1 Assess the	7.5.3.1 Assess the	8.5.3.1 Assess the	910.5.3.1 Assess	1112.5.3.1
the process used	the process used	the process used	the process used	the process used	process used for	process used for	process used for	process used for	the process used	Internalize the
to find the	to find the	to find	for inquiry-based	for inquiry-based	inquiry-based	inquiry-based	inquiry-based	inquiry-based	for inquiry-based	research process,
information.	information.	information and	learning and	learning and	learning and	learning and	learning and	learning and	learning and	monitor for
		suggest ways for	suggest ways for	suggest ways for	suggest ways for	suggest ways for	recommend ways	recommend	recommend	needed
		improvement.	improvement.	improvement.	improvement.	improvement.	for improvement.	strategies to	strategies to	improvements,
								improve it.	improve it.	and apply to
										academic and
										real-world
										contexts.
K.5.3.2 Judge	1.5.3.2 Judge	2.5.3.2 Judge	3.5.3.2 Judge	4.5.3.2 Evaluate	5.5.3.2 Evaluate	6.5.3.2 Reflect on	7.5.3.2 Reflect on	8.5.3.2 Reflect on	910.5.3.2 Reflect	1112.5.3.2 Reflect
personal ability to	personal ability to	personal ability to	personal ability to	personal ability to	personal ability to	personal ability to	personal ability to	personal ability to	on personal ability	on personal ability
work in teams	work in teams	work in teams	work in teams	work with others	work with others	participate in	participate in	participate in	to participate in	to participate in
(e.g., following	(e.g., listening to	(e.g., listening and	(e.g., listening and	in groups (e.g.,	in groups (e.g.,	group work (e.g.,	group work (e.g.,	group work (e.g.,	group work (e.g.,	group work (e.g.,
directions).	opinions of	responding to	responding to	showing respect	demonstrating	demonstrating				
,	others).	varying opinions).	varying opinions,	for varying	respect for diverse	respect for diverse				
	ŕ		solving problems).	viewpoints,	viewpoints,	viewpoints,	viewpoints,	viewpoints,	ideas, contributing	ideas, contributing
				contributing to	to discussion,	to discussion,				
				discussion,	discussion,	discussion,	discussion,	discussion,	solving problems)	solving problems)
				solving problems).	and transfer skills	and transfer skills				
									to real-world	to real-world
									situations.	situations.

Revised 3/18/2015 Page 17 of 17