

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

Focus on the information need –

1.2 Decide how much information is needed, working in groups or individually.

Kindergarten	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth/Tenth	Eleventh/ Twelfth
	1.1.2.1 Recognize when there is a need for more than one source of information.	2.1.2.1 Recognize when there is a need for more than one source of information.	3.1.2.1 Recognize when there is a need for more than one source of information.	4.1.2.1 Recognize when there is a need for more than one source of information.	5.1.2.1 Recognize need for multiple information sources.	6.1.2.1 Recognize need for multiple information sources.	7.1.2.1 Recognize need for multiple information sources.	8.1.2.1 Recognize need for multiple information sources.	9.10.1.2.1 Recognize need for multiple information sources.	11.12.1.2.1 Recognize need for multiple information sources.
	1.1.2.2 Predict possible sources of appropriate materials.	2.1.2.2 Predict possible sources of appropriate materials.	3.1.2.2 Identify possible sources of appropriate materials.	4.1.2.2 Identify possible sources of information.	5.1.2.2 Identify possible sources of information.	6.1.2.2 Identify potential information sources.	7.1.2.2 Identify potential information sources.	8.1.2.2 Identify potential information sources.	9.10.1.2.2 Identify potential information sources.	11.12.1.2.2 Identify potential information sources.

Focus on the information need –

1.3 Develop a search action plan and timeline, working in groups or individually.

Kindergarten	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth/Tenth	Eleventh/ Twelfth
K.1.3.1 Work individually or in cooperative group to decide who can assist in locating an answer to a librarian/teacher directed activity.	1.1.3.1 Work individually or in cooperative group to decide who can assist in locating an answer to a librarian/teacher directed activity.	2.1.3.1 Work individually or in cooperative group to decide who can assist in locating information for a librarian/teacher directed activity.	3.1.3.1 Work individually or in cooperative group to contribute to a librarian/teacher-devised search action plan which lists: <ul style="list-style-type: none"> • topic and subtopics; • keywords and alternate terms; • presearch questions; • possible information sources; and • people to provide assistance with research 	4.1.3.1 Work individually or in cooperative group to develop a simple search action plan which lists: <ul style="list-style-type: none"> • topic and subtopics; • keywords and alternate terms; • presearch questions; • possible information sources; and • people to provide assistance with research (e.g., teacher, parents, 	5.1.3.1 Work individually or in cooperative group to develop a search action plan with timeline which lists: <ul style="list-style-type: none"> • topic and subtopics; • keywords and alternate terms; • presearch questions; • possible information sources; • people to provide assistance with research (e.g., teacher, 	6.1.3.1 Work individually or in cooperative group to develop a search action plan with timeline which lists: <ul style="list-style-type: none"> • topic and subtopics; • keywords and alternate terms; • presearch questions; • thesis or statement of purpose; • possible information sources; • people to provide 	7.1.3.1 Work individually or in cooperative group to develop a search action plan with timeline which lists: <ul style="list-style-type: none"> • topic and subtopics; • keywords and alternate terms; • presearch questions; • thesis or statement of purpose; • possible information sources; • people to provide 	8.1.3.1 Work individually or in cooperative group to develop a search action plan with timeline which lists: <ul style="list-style-type: none"> • topic and subtopics; • keywords and alternate terms; • presearch questions; • thesis or statement of purpose; • possible information sources; • people to provide 	9.10.1.3.1 Work individually or in cooperative group to develop a search action plan with timeline which lists: <ul style="list-style-type: none"> • topic and subtopics; • keywords and alternate terms; • presearch questions; • thesis or statement of purpose; • possible information sources; • people to provide 	11.12.1.3.1 Work individually or in cooperative group to develop a search action plan with timeline which lists: <ul style="list-style-type: none"> • topic and subtopics; • keywords and alternate terms; • presearch questions; • thesis or statement of purpose; • possible information sources; • people to provide

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			(<i>e.g.</i> , teacher, parents, school and/or public librarian).	school and/or public librarian)	parents, school and/or public librarian); and <ul style="list-style-type: none"> • due dates for project. 	assistance with research (<i>e.g.</i> , teacher, subject specialists, school and/or public librarian); and <ul style="list-style-type: none"> • due dates for project. 	assistance with research (<i>e.g.</i> , teacher, subject specialists, school and/or public librarian); and <ul style="list-style-type: none"> • due dates for project. 	assistance with research (<i>e.g.</i> , teacher, subject specialists, school and/or public librarian); and <ul style="list-style-type: none"> • due dates for project. 	assistance with research (<i>e.g.</i> , teacher, subject specialists, school and/or public librarian); and <ul style="list-style-type: none"> • due dates for projects. 	assistance with research (<i>e.g.</i> , teacher, subject specialists, school and/or public librarian); and <ul style="list-style-type: none"> • due dates for project phases.
			3.1.3.2 Understand online navigation procedures (<i>e.g.</i> , buttons, toolbar, links, favorites or bookmarks).	4.1.3.2 Understand online navigation procedures (<i>e.g.</i> , toolbar, links, favorites or bookmarks).	5.1.3.2 Understand online navigation procedures (<i>e.g.</i> , toolbar, links, favorites or bookmarks).	6.1.3.2 Understand online navigation procedures (<i>e.g.</i> , toolbar, links, favorites or bookmarks).	7.1.3.2 Understand online navigation procedures (<i>e.g.</i> , toolbar, links, favorites or bookmarks).	8.1.3.2 Understand online navigation procedures (<i>e.g.</i> , toolbar, links, favorites or bookmarks).	910.1.3.2 Understand online navigation procedures (<i>e.g.</i> , toolbar, links, favorites or bookmarks).	1112.1.3.2 Understand online navigation procedures (<i>e.g.</i> , 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.	1112.1.3.3 Sequence the steps in the research process.