Montgomery College General Education Assessment Rubric: Personal, Social and Civic Responsibility

The following rubric only reflects the elements of Personal, Social and Civic responsibility that are applicable to the HE discipline. This rubric does not reflect the full definition or range of standards or measures for Personal, Social and Civic Responsibility.

Personal, Social and Civic Responsibility includes the skills and awareness necessary to live as responsible, ethical, and contributing citizens of the community, state, nation, and world.

Standard 1- Connection with Course Content: Student can demonstrate a personal connection with course content.

connection between the individual and

the community.

Advanced(3)	Proficient(2)	Novice (1)	Not Evident(0)	☐ Assessment				
 Displays an ability to independently f and clearly articulate personal connections with course content. 	orm Displays, with limited instructor a moderate ability to form and a connections with course conten	articulate and articulate connections with	 Is unable to form or articulate an independent or original connection with course content. 	task does not reflect these characteristics for student performance.				
Standard 2- Connection between individual and community: Student can express the connection between the individual and the community. N								
the community.				Not Applicable				
	Proficient(2)	Novice (1)	Not Evident(0)	Not Applicable Assessment task does not				

Displays a simplistic or superficial awareness

of the connection between the individual

Standard 3- Connection between behavior and consequences : Student can demonstrate an awareness of the connection between behavior and consequences.						
Advanced(3)	Proficient(2)	Novice (1)	Not Evident(0)	☐ Assessment		
 Demonstrates a sophisticated awareness, with a high degree of independence, of the connections between behavior and consequences. 	Demonstrates, with limited instructor support, a moderate awareness of the connections between behavior and consequences.	Demonstrates a limited awareness of the connections between behavior and consequences. Displays superficial or simplistic thinking relating to connections between individual behaviors and consequences.	Does not display an awareness of the connections between behavior and consequences or may display an inaccurate connection between behaviors and consequences.	task does not reflect these characteristics for student performance.		

and the community.

between the individual and the

community.

individual and the community.

Not Applicable

for student

performance.

Montgomery College General Education Assessment Rubric: Quantitative Reasoning

Montgomery College's Scientific and Quantitative Reasoning Rubric is based on the Scientific Method of Inquiry, <u>Advancing Assessment of Quantitative and Scientific Reasoning</u>, Numeracy, 3 (2): Article 2 by Sundre, Donna L. and Amy D. Thelk. 2010, and adapted from the College of Marin Common Scientific and Quantitative Reasoning Rubric, and the Association of American Colleges and Universities' Quantitative Literacy VALUE Rubric.

Quantitative Reasoning includes the ability to interpret and represent data; perform mathematical calculations and carry out an analysis with clear assumptions; and finally communicate results appropriately.

Sta	Standard 1 Interpretation And Representation: The student is able to interpret and represent mathematically the data provided.									
	Advanced (3)		Proficient (2)		Novice (1)		Not Evident (0)		Not Applicable	
	Provides accurate explanations of information presented in mathematical form.		Provides mostly accurate explanations of information presented in mathematical form.		Provides inaccurate explanations of information presented in mathematical form.		Does not provide explanations of information presented in mathematical form.		Assessment task does not reflect these characteristics for student performance	
	Makes appropriate inferences based on that information. Converts relevant information into an insightful mathematical portrayal in a way that contributes to a further and deeper understanding.		Makes mostly appropriate inferences based on that information. Mostly converts relevant information into an insightful mathematical portrayal in a way that contributes to a further and deeper		Does not makes appropriate inferences based on that information. Does not convert relevant information into an insightful mathematical portrayal in a way that contributes to a further and deeper		Does not make appropriate inferences based on that information. Does not convert relevant information into an insightful mathematical portrayal in a way that contributes to a further and deeper			
			understanding.		understanding.		understanding.			

Standard 2 Calculation, Analysis and Assumptions: The student is able to perform mathematical calculations and perform an analysis with clear assumptions									
Advanced (3)	Proficient (2)	Novice (1)	Not Evident (0)	Not Applicable					
 □ Performs accurate calculations which are sufficiently comprehensive to solve the problem. □ Uses correct and complete quantitative analysis. □ Makes relevant and correct conclusions. □ Explicitly describes assumptions and provides rationale for why each assumption is appropriate. □ Shows awareness that confidence in final conclusions is limited by the accuracy of the assumptions. 	Performs mostly accurate calculations which are sufficiently comprehensive to solve the problem. Uses mostly correct and complete quantitative analysis. Makes mostly relevant and correct conclusions. Somewhat explicitly describes assumptions and provides rationale for why each assumption is appropriate. Mostly Shows awareness that confidence in final conclusions is limited by the accuracy of the assumptions.	 □ Performs inaccurate calculations which are insufficiently comprehensive to solve the problem. □ Uses incorrect and complete quantitative analysis. □ Make irrelevant and correct conclusions. □ Vaguely describe assumptions and provides rationale for why each assumption is appropriate. □ Shows minimal awareness that confidence in final conclusions is limited by the accuracy of the assumptions. 	 □ Does not perform accurate calculations. □ Does not uses correct and complete quantitative analysis. □ Does not make relevant and correct conclusions. □ Does not explicitly describe assumptions and provides rationale for why each assumption is appropriate. □ Does not shows awareness that confidence in final conclusions is limited by the accuracy of the assumptions. 	Assessment task does not reflect these characteristics for student performance					

Standard 3 Communication: The student is able to communicate results appropriately.

Advanced (3)		Proficient (2)	Proficient (2) Novice (1)		Not Evident (0)		Not Applicable	
	Presents work in an effective format, and explicates it with high quality.	Mostly presents work in an effective format, and explicates it with high		Ineffectively presents work, and mostly below standard quality.	Does not present work in an effective format, and explicates it		Assessment task does not reflect these characteristics	
	Uses quantitative information in connection with the argument or purpose of the work	quality. Mostly uses quantitative information in connection with the argument or purpose of the work.		Rarely uses quantitative information in connection with the argument or purpose of the work.	with high quality. Does not use quantitative information in connection with the argument or purpose of the work.		for student performance	

Montgomery College General Education Assessment Rubric: Scientific Reasoning

Montgomery College's Scientific and Quantitative Reasoning Rubric is based on the Scientific Method of Inquiry, <u>Advancing Assessment of Quantitative and Scientific Reasoning</u>, <u>Numeracy</u>, 3 (2): Article 2 by Sundre, Donna L. and Amy D. Thelk. 2010, and adapted from the College of Marin Common Scientific and Quantitative Reasoning Rubric, and the Association of American Colleges and Universities' *Quantitative Literacy VALUE Rubric*.

Scientific and Quantitative reasoning: the ability to locate, identify, collect, organize, analyze, and interpret data and the ability to use mathematics and the scientific method of inquiry to make decisions, when appropriate.

Advanced (3)	Proficient (2)	Novice (1)	Not Evident (0)	
Identifies relevant properties of the system under study. Identifies the role of specific parts of relevant concepts and how they interact to create the outcome of the system. Formulates hypotheses on the basis of observations.	□ Identifies relevant properties of the system under study. □ Identifies minimally the role of specific parts of relevant concepts and how they interact to create the outcome of the system. □ Formulates weak hypotheses on the basis of observations.	 Mostly Identifies relevant properties of the system under study. Identifies minimally the role of specific parts of relevant concepts and how they interact to create the outcome of the system. Formulates weak hypotheses on the basis of observations. 	 Does not identify relevant properties of the system under study. Does not identify the role of specific parts of relevant concepts and how they interact to create the outcome of the system. Does not formulate hypotheses on the basis of observations. 	All Scientific Reasoning Assessment instruments mus score this measure

Standard 2 Experimentation an	Standard 2 Experimentation and Collection of Data									
Advanced (3)	Proficient (2)	Novice (1)	Not Evident (0)							
 □ Formulates and carries out test of hypotheses employing appropriate techniques. □ Method is documented completely and accurately, making experiment easy to reproduce. □ Variables are identified and classified as dependent and independent. □ Measurements are carried out using standard units of measurements and minimize sources of uncertainty. □ Data is thoroughly and accurately recorded using identified tools. 	□ Formulates and carries out test of hypotheses employing appropriate techniques. □ Method is mostly well documented. □ Variables are mostly identified and classified as dependent and independent. □ Measurements are mostly expressed using standard units of measurements and sources of uncertainty are mostly minimized. □ Data is mostly thoroughly and accurately recorded using identified tools.	Formulates and carries out test of hypotheses employing mostly appropriate techniques. Method is not well documented making experiment difficult to reproduce. Variables are not identified and classified as dependent and independent. Measurements are not carried out using standard units of measurements and sources of uncertainty are not minimized. Data is not thoroughly and accurately recorded using identified tools.	 □ Does not formulate and carry out test of hypotheses employing mostly appropriate techniques. □ Method is not documented making experiment difficult to reproduce. □ Variables are not identified and classified as dependent and independent. □ Measurements are not carried out using standard units of measurements and sources of uncertainty are not minimized. □ Data is not thoroughly and accurately recorded using identified tools. 	All Scientific Reasoning Assessment instruments must score this measure						

Advanced (3)	Proficient (2)	Novice (1)	Not Evident (0)	
Converts relevant information into an insightful mathematical portrayal in a way that contributes to a further and deeper understanding.	Mostly converts relevant information into an insightful mathematical portrayal in a way that contributes to a further and deeper	Minimally converts relevant information into an insightful mathematical portrayal in a way that contributes to a further and deeper	Does not convert relevant information into an insightful mathematical portrayal in a way that contributes to a further and deeper understanding.	All Scientific Reasoning Assessment instruments must score this measure
Uses correct and complete quantitative analysis. Makes relevant and correct	understanding. Mostly uses correct and complete quantitative analysis.	understanding. Uses incorrect and incomplete quantitative analysis.	Does not use correct and complete quantitative analysis.	
conclusions. Explicitly describes assumptions and	Mostly makes relevant and correct conclusions.	Makes irrelevant and incorrect conclusions.	Does not make relevant and correct conclusions.	
provides rationale for why each assumption is appropriate.	Mostly describes assumptions and provides rationale for why each	Minimally describes assumptions and provides rationale for why each	Does not describe assumptions and provides rationale for why each	
Shows awareness that confidence in final conclusions is limited by the accuracy of the assumptions.	assumption is appropriate. Shows awareness that confidence in final conclusions is limited by the accuracy of the assumptions.	assumption is appropriate. Partly shows awareness that confidence in final conclusions is limited by the accuracy of the assumptions.	assumption is appropriate. Does not show awareness that confidence in final conclusions is limited by the accuracy of the assumptions.	

Montgomery College General Education Assessment Rubric: Arts and Aesthetic Awareness

Montgomery College's Arts and Aesthetic Awareness Rubric was developed with the input and support of a variety of representatives of ARTS distribution classes.

Arts and Aesthetic Awareness includes the skills and experiences that enable students to value, reflect upon, and appreciate the arts and role of arts in the human experience.

Standard 1- Aesthetic Judgments: Student can demonstrate the ability to form aesthetic judgments about forms or examples of art.

Proficient(2)

				task does not				
□ Displays an ability to independently form and clearly articulate judgments about examples of art □ Displays, with limited instructor support, a moderate ability to form and articulate judgments about examples of art □ Displays a limited ability to form and articulate judgments about examples of art. □ Displays a limited ability to form and articulate judgments about examples of art. □ May reflect superficial or simplistic judgment □ Sunable to form or articulate an independent or original judgment about examples of art □ Simplistic judgment								
Standard 2- Creative Process : Student can express an appreciation and an understanding of the arts through a consideration of and/or engagement in the creative process.								
		nd an understanding of the arts i	through a consideration of					
		Novice (1)	Not Evident(0)	Not Applicable				

process.

process

Novice (1)

Displays a simplistic or superficial engagement with the creative

Standard 3- Role of Arts: Student can demonstrate an understanding of the role of the arts in the human experience							
Advanced(3)	Proficient(2)	Novice (1)	Not Evident(0)	Not Applicable			
 Demonstrates the ability, with a high degree of independence, to fully understand and clearly articulate the relationship between works of art, the culture that created them, and their relevance to the larger human experience 	Demonstrates, with limited instructor support, a moderate understanding of, and ability to articulate, the relationship between works of art, the culture that created them, and their relevance to the larger human experience	Demonstrates a limited understanding of, and limited ability to articulate, the relationship between works of art, the culture that created them, and their relevance to the larger human experience	 Does not display an understanding of the role of arts in the human experience. 	Assessment task does not reflect these characteristics for student performance.			

Displays a sophisticated engagement in

the creative process

Advanced(3)

Not Applicable

Assessment

performance.

Not Evident(0)

Standard 4- Terminology: Student can demonstrate an ability to understand and use the terminology relevant to the arts discipline.								
Advanced(3)	Proficient(2)	Novice (1)	Not Evident(0)	Assessment				
Demonstrates a high level of understanding through the	☐ Demonstrates understanding through the generally correct usage of	Demonstrates a limited understanding of the terminology	Does not display an understanding of, or ability, to use terminology relevant to	task does not reflect these characteristics				
correct usage of a full range of terminology relevant to the art discipline	terminology relevant to the art discipline May use a limited range of terms	relevant to the art discipline. Terms may be simply listed or used incorrectly	the art discipline	for student performance.				

Montgomery College General Education Assessment Rubric: Critical Analysis

Montgomery College's Critical Analysis and Reasoning Rubric is adapted from The Foundation for Critical Thinking's definitions and rubrics for critical thinking, Peter Falcione's *Holistic Critical Thinking Rubric*, Washington State University's *Critical Thinking Project*, and the Association of American Colleges and Universities' *Critical Thinking VALUE Rubric*.

Critical analysis and reasoning includes the application of higher order analytic and creative cognitive processes to arrive at reasoned and supportable conclusions, to synthesize and apply knowledge within and across courses and disciplines, and to develop creative solutions.

St	Standard 1 Identification and Explanation of Issues: Student can understand and articulate a problem or a question,									
ide	identify needed resources, and develop a response based on more than the his or her own ideas.									
	Advanced (3) Proficient (2) Novice (1) Not Evident (0)									
	Poses relevant, complex, and insightful questions		Poses appropriate questions Identifies the problem or questions,		Poses a simplistic or tangentially related question.		Fails to pose an appropriate question Does not identify or explain the	All Critical Analysis and Reasoning		
	Accurately identifies and provides a well-developed summary of the problem or question including		but does not provide sufficient context Identifies and uses a limited range of		Provides a limited explanation of the problem or context. Represents the issues simplistically or		problem or questions, and/or fails to summarize or explain the context Represents the issues inaccurately	Assessment instruments must score this		
	context		sources relating to the problem or		inaccurately		Does not identify appropriate sources	measure		
	Identifies and uses appropriate sources which reflect a range of positions regarding the problem		question Completes tasks with limited instructor support		Identifies limited sources and/or sources reflect bias or only one perspective on the issue.		and/or sources reflect bias or only one perspective on the issue.			
	or question				Relies heavily on instructor guidance.					

St	andard 2 Analysis and Evalua	atio	n: Student can analyze and evalua	ite i	nformation and ideas, d	istin	guishing between fact	
an	d opinion, considering releva	nce	to the issue and validity of the so	ourc	e, and acknowledging a	vari	ety of viewpoints.	
	Advanced (3)		Proficient (2)		Novice (1)		Not Evident (0)	
	Responds to sources impartially, with thoughtful analysis and evaluation of content and context Demonstrates an advanced or sophisticated ability to analyze and evaluate information including distinguishing between fact and opinion and acknowledging alternative points of view Recognizes and avoids logical fallacies Justifies key results and procedures, explains assumptions and reasons.		Responds to sources with analysis and evaluation of content and context Demonstrates ability to analyze and evaluate information including distinguishing between fact and opinion and acknowledging alternative points of view, but analysis and evaluation may be superficial or flawed Recognizes and avoids logical fallacies May not provide a complete justification of results and procedures and/or does not fully explain assumptions and reasons Completes tasks with limited instructor support		Evaluation and analysis of sources is superficial and/or reflect bias Recognizes and avoids major logical fallacies, with significant instructor guidance Does not provide a completely justification of results and procedures and/or does not fully explain assumptions and reasons. May rely heavily on instructor support/guidance		Evaluation and analysis of sources is not provided, reflects bias or is inaccurate. Does not identify or explain the problem or questions, and/or fails to summarize or explain the context Represents the issues inaccurately Does not identify appropriate sources and/or sources reflect bias or only one perspective on the issue.	All Critical Analysis and Reasoning Assessment instruments must score this measure.

_	nent of ideas; interpreting information in connections between ideas in sources, a	·	•	
Advanced (3)	Proficient (2)	Novice (1)	Not Evident (0)	
Takes risks by questioning sources and/or generates alternate or novel explanations supported by evidence as appropriate Synthesizes ideas; makes connections or identifies connections within sources in an advanced way Avoids oversimplification Presents a thoughtful, nuanced, reasonable and factually accurate conclusion based on sound logic, information and evidence at hand Demonstrates open-mindedness and self-awareness Recognizes the limits of conclusions.	Takes limited risks by questioning sources and/or generates alternate or novel explanations supported by evidence, as appropriate Provides limited synthesis or ideas, may only summarize source information; makes few connections within sources Generally avoids oversimplification Presents reasonable and factually accurate conclusion based on sound logic, information and evidence at hand Demonstrates some open-mindedness and self-awareness Generally, recognizes the limits of conclusions	 □ Accepts sources without questioning □ Summarizes sources information □ Oversimplifies or ignores connections among sources □ May only present a summary of sources □ Conclusion may be simplistic or logically flawed or based on limited evidence □ Conclusion reflects close mindedness and/or lack of self-awareness □ Does not recognize the limits of conclusions. □ Relies heavily on instructor guidance 	□ Does not reach or Reaches in accurate, overly simplified or overly biased conclusion □ Relies on inappropriate sources, does not make connections between sources □ Conclusion is not relevant, or is extreme or is unsubstantiated	All Critical Analys and Reasoning Assessment instruments must score this measure.

Montgomery College General Education Assessment Rubric: Effective Communication, Oral Communication

Montgomery College's Effective Communication, Oral Communication Rubric is based on the Association of American Colleges and Universities' *Oral Communication VALUE Rubric,* and Sinclair Community College's Oral Communication rubric.

Effective Oral Communication includes the ability to communicate effectively in verbal and written language, the ability to use a variety of modern information resources and supporting technologies, the ability to differentiate content from style of presentation, and the ability to suit content and style to the purpose of the communication.

Advanced (3)	Proficient (2)	Novice (1)	Not Evident (0)	
Has a compelling and well developed (precisely stated, appropriately repeated, memorable, and strongly supported) central message and purpose Includes a variety of types of materials (explanations, examples, illustrations, statistics, analogies, quotations from relevant authorities) that make appropriate reference to information or analysis which significantly supports the central message or establishes the presenter's credibility/authority on the topic	 □ Has a clear and understandable central message and purpose □ Includes supporting materials (explanations, examples, illustrations, statistics, analogies, quotations from relevant authorities) that make appropriate reference to information or analysis which generally supports the presentation or establishes the presenter's credibility/authority on the topic □ Relies on limited instructor support to develop content 	 □ Has a central message and purpose that is difficult to be deduced, and may not be explicitly clear or developed in the presentation □ Includes minimal supporting materials which may insufficiently reference information or analysis and minimally support the presentation or establish the presenter's credibility/authority on the topic. □ Relies on significant instructor support to develop content 	☐ Has an unclear central message and purpose that may not be fully developed ☐ Does not include appropriate supporting materials	Not Applicable Assessment task does not reflect these characteristics for student performance.

text.	ent can use organizational strategie	s and devices effectively to focus a	ind dring this of their	Not Applicable
Advanced (3)	Proficient (2)	Novice (1)	Not Evident (0)	Assessment
☐ Uses an organizational pattern (specific introduction and conclusion, sequenced material within the body, and transitions) that is clearly and consistently observable, is skillful and makes the content of the presentation cohesive.	Uses an organizational pattern (specific introduction and conclusion, sequenced material within the body, and transitions) that is clearly and consistently observable within the presentation.	Uses a simplistic organizational pattern (specific introduction and conclusion, sequenced material within the body, and transitions) that may be intermittently observable within the presentation Relies heavily on instructor guidance and support to develop organizational pattern	☐ Uses an ineffective organizational pattern that	task does not reflect these characteristics for student performance.

C+	and and 2 Delivery Chydent of	an una ammanuiata affactiva dal		h a m a f + h a	
	andard 3 Delivery: Student Co ommunication.	an use appropriate, effective dei	ivery style and techniques to further t	ne purpose of the	
CC	Advanced (3)	Proficient (2)	Novice (1)	Not Evident (0)	Not Applicable
	Uses verbal and non-verbal delivery techniques (posture, gesture, eye contact, and vocal expressiveness) that make the presentation compelling, and make the speaker appear polished and confident. Uses visual aids that provide significant impact in making key points.	Uses verbal and non-verbal delivery techniques (posture, gesture, eye contac and vocal expressiveness) that make the presentation effective Uses visual aids that enhance and provid emphasis in making key points.	Inconsistently uses verbal and non-verbal delivery techniques (posture, gesture, eye contact, and vocal expressiveness) Uses visual aids that are unimaginative	Does not use effective delivery techniques.	Assessment task does not reflect these characteristics for student performance.
C+	andard 4 Internercenal Skills	· Student demonstrates an unde	pretanding of offoctive and appropriat	o internercenal skills	
31	Advanced (3)	Proficient (2)	erstanding of effective and appropriate Novice (1)	Not Evident (0)	Not Applicable
	Consistently demonstrates effective and appropriate interpersonal skills (questioning, paraphrasing, descriptive language, empathy, negotiation, conflict management, supporting non verbal cues).	Occasionally demonstrates effective and appropriate interpersonal skills (questioning, paraphrasing, descriptive language, empathy, negotiation, conflict management, supporting non verbal cue	 □ Demonstrates simplistic or limited range of interpersonal skills □ Relies heavily on instructor guidance 	Does not demonstrate effective interpersonal skills.	Assessment task does not reflect these characteristics for student performance.
St	andard 5 Listening Behavior:	Student demonstrates an under	standing of effective and appropriate	listening behaviors.	Not Applicable
	Advanced (3)	Proficient (2)	Novice (1)	Not Evident (0)	☐ Assessment
	Consistently uses attentive, respectful listening behaviors in oral communication situations.	 Consistently uses some effective listening behaviors in oral communication situations. 	Inconsistently uses some effective listening behaviors in oral communication situations.	Does not use effective listening behaviors in oral communication situations.	task does not reflect these characteristics for student performance.
	andard 6 Academic Integrity: ocumentation.	Student uses appropriate acade	emic practices for acknowledging and	using sources and	Not Applicable
u	Advanced (3)	Proficient (2)	Novice (1)	Not Evident(0)	Assessment
	Reflects current academic practices for use of sources and documentation established by professional associations	Reflects current academic practices for use of sources and documentation established by professional associations.	Inconsistently reflects current academic practices of use of sources and documentation established by professional associations and relies heavily on instructor guidance	Plagiarizes	task does not reflect these characteristics for student performance.

MC Oral Communication Rubric revised May 2012

Montgomery College General Education Assessment Rubric: Information Literacy

Montgomery College's Information Literacy Rubric is based on the Montgomery College Standards and Expectations for Information Literacy that were developed by an interdisciplinary group of faculty including Librarians. Using the Association of College and Research Libraries' (ACRL) "Information Literacy Competency Standards for Higher Education", the Information Literacy Focus Group adapted the standards for Montgomery College.

Information Literacy includes the ability to identify, locate, and effectively use information from various print and electronic sources.

St	andard 1 Know: The informa	atio	n literate student determine	s th	e nature and extent of the	info	ormation needed.		
	Advanced(3)		Proficient(2)		Novice (1)		Not Evident(0)		
	Develops, revises and follows a plan of action to complete a research assignment or activity, including a realistic time frame, independently. articulates a sophisticated, relevant research question Demonstrates a sophisticated ability in determining availability of, and gathering of, appropriate source materials identify and develop new skills, such as technology and research skills, when needed to complete a research assignment or activity		develops, revises and follows a plan of action to complete a research assignment or activity, including a realistic time frame, with instructor support. articulates a research question appropriate for the assignment or activity. Determines the availability of, and gathers, the appropriate source materials. relies on familiar skills and strategies to complete research tasks		needs significant instructor support to develop a plan of action for a research assignment. articulates a research question that may be too basic or limited in scope Requires significant support to determine the availability of, and gather, the appropriate source materials. Has limited skills and strategies to complete research tasks		Is unable to develop a feasible plan of action for a research assignment. does not articulate a research question or articulates a research question unrelated to the assignment or activity. Is unable to determine the availability of, or gather, the appropriate source materials Does not demonstrate effective strategies to complete research tasks	Not Applicabl Assessr task do reflect charact s for str perform	ment bes not these teristic audent

ef	fectively and efficiently.					
	Advanced (3)	Proficient (2)	Novice (1)	No	ot Evident(0)	Not
	Demonstrates a sophisticated understanding of source material Independently, employs sophisticated approaches for collecting and maintaining source material identify gaps in his or her knowledge, skills, or resources and refine research strategies and/or develops new skills, as necessary, independently	Identifies appropriate types and formats of source material needed to complete a research assignment or activity with some instructor support employs efficient and effective approaches for collecting and maintaining source material with limited instructor support identifies gaps in knowledge, skills or resources in a limited way, and completes tasks independently	Relies heavily on instructor support to identify appropriate types and formats of source material needed and identifies limited range of materials employs simplistic approaches for collecting and maintaining source material and requires significant instructor support Relies on instructor or other support to complete tasks and/or demonstrates limited ability to identify knowledge or resource gaps		Is unable to identify appropriate types and formats of source materials needed. Does not demonstrate the ability to collect and maintain source material Is unable to complete research tasks and/or is unable to identify knowledge or resource gaps.	Applicable Assessment task does not reflect these characteristic s for student performance

Advanced (3)	Proficient (2)	Novice (1)	Not Evident(0)	Not Applicable Assessment ta
Demonstrates advanced, independent ability to evaluate information for currency, objectivity, and validity. Independently determines relevance to the research question Seeks and responds appropriately to critical feedback	With limited guidance, critically evaluates information for currency, objectivity, and validity determines relevance of information to the research question with guidance. May seek critical feedback but responds superficially	Does not or is unable to evaluate information for objectivity, currency, validity or relevance to the research question Does not seek or respond to critical feedback	Does not or is unable to evaluate information for objectivity, currency, validity or relevance to the research question Does not seek or respond to critical feedback	does not reflect these characteristics for student performance

complish a specific purpose.	n lit	erate student, individually, or as a m	neml		1	·	
Advanced (3) Demonstrates sophisticated ability to identify and summarize information be paraphrased or quoted. Demonstrates advanced ability to synthesize new and prior information, including the use of quotations and paraphrases, in a manner that supports the purposes of the assignment or activity, independently. Uses supplemental information, including graphics or data, in a sophisticated manner supporting the purpose of the assignment.		Identifies information and concepts to be paraphrased or quoted. selects and integrates new and prior information, including the use of quotations and paraphrases, in a manner that supports the purposes of the assignment or activity, with limited support. Uses supplemental information, including graphics or data, in a manner that supports the purpose of the assignment, with limited guidance.		Novice (1) Identifies or summarize information and concepts to be paraphrased or quoted with guidance Simplistically, synthesizes or integrates new and prior information or relies heavily on support uses supplemental information simplistically and/or relies heavily on instructor support to use supplemental information		does not accurately identify or summarize information and concepts to be paraphrased or quoted does not synthesize or integrate new and prior information does not use supplemental information appropriately	Not Applicable Assessment task does not reflect these characteristics for student performance

use of information and accesses and uses information ethically and legally.							
Advanced (3)		Proficient (2)		Novice (1)	No	ot Evident(0)	
Demonstrates an advanced ability to identify documents and resources that are protected by copyright or are otherwise considered to be intellectual property, independently Demonstrates a sophisticated understand understanding of what constitutes plagiarism and use resources or materials only with proper attribution, independently. Accepts responsibility for the ideas presented in the final product.		Correctly identifies documents and resources that are protected by copyright or are otherwise considered to be intellectual property, with limited support. Understands what constitutes plagiarism and use resources or materials only with proper attribution, with limited support. Accepts responsibility for the ideas presented in the final product.		identifies documents and resources that are considered to be protected by copyright or are otherwise considered to be intellectual property with significant instructor guidance Demonstrates a limited understanding of what constitutes plagiarism and does not consistently attribute source material Does not accept responsibility for ideas presented in a final product		Plagiarizes Does not accept responsibility for ideas presented in a final product	Assessment does not refl these characteristic for student performance

Montgomery College General Education Assessment Rubric: Effective Communication, Writing

Montgomery College's Effective Communication, Writing Rubric is based on the Montgomery College General Education Writing Standards, the State of Maryland's expectations for a "C" paper, Washington State University's Integrated Critical Thinking Rubric, and the Association of American Colleges and Universities' Written Communication VALUE Rubric.

Effective Written Communication includes the ability to communicate effectively in verbal and written language, the ability to use a variety of modern information resources and supporting technologies, the ability to differentiate content from style of presentation, and the ability to suit content and style to the purpose of the communication.

Advanced(3)	Proficient(2)	Novice (1)	Not Evident(0)	
Uses appropriate, relevant, and compelling content to illustrate mastery of the subject, conveying the writer's understanding, and shaping the whole work Exceeds the discipline and assignment expectations, meeting all specified requirements, such as subject, organization, and length, independently Integrates and responds to alternate points of view	Uses appropriate and relevant content to develop and explore ideas through most of the work Fulfills the discipline and assignment expectations, meeting all specified requirements, such as subject, organization, and length, with limited support	Uses limited content to develop and explore simple ideas Basically or simplistically meets the discipline and assignment expectations, with significant instructor guidance Provides a simplistic or one sided view of the topic	uses irrelevant or inaccurate content or information and does not develop or explore appropriate ideas Does not meet the discipline or assignment expectations	Not Applicabl Assessm task doe reflect th characte for stude perform.

Advanced(3)	Proficient(2)	Novice (1)	Not Evident(0)	
Exceeds discipline and assignment expectations for organization Uses an advanced organizational pattern that maintains focus and unity throughout the text while furthering the central idea and skillfully using the following organizational devices to connect ideas throughout the text: thesis statement, topic sentences, opening and closing paragraphs and transitions throughout the assignment	Follows the discipline and assignment expectations for organization Maintains focus and unity throughout the assignment while supporting a central idea, or thesis using some of the following organizational devices to connect ideas throughout the text: thesis statement, topic sentences, opening and closing paragraphs, and transitions throughout most of the assignment Relies on limited instructor guidance	□ Simplistically, meets discipline and assignment expectations for organization and relies heavily on instructor guidance; □ Uses a simplistic or unclear central idea or thesis; □ uses organizational devices such as a central idea, topic sentences, opening and closing paragraphs or transitions inconsistently or relies on significant instructor guidance	Uses ineffective organizational pattern or does not meet discipline or assignment expectations Lacks a central idea or thesis, focus or unity and includes irrelevant and unrelated ideas. Does not use organizational devices such as topic sentences, opening and closing paragraphs and transitions effectively	Not Applica Assessmer task does i reflect the characteris for studen performan

Standard 3: Style and Expression : Student can use appropriate, effective style and tone to further the purpose of the text.				
Advanced(3)	Proficient(2)	Novice (1)	Not Evident(0)	Not Applicable
□ Uses a superior style (tone, word choice, sentence patterns) for the discipline, assignment, audience and purpose, and □ Clearly communicates ideas and may be nuanced or eloquent.	 Consistently, uses effective style (tone, word choice, sentence patterns) for its discipline, assignment, audience, and purpose; Clearly communicates ideas 	Uses a simplistic style (tone, word choice, and sentence patterns) and relies heavily on instructor guidance; Ideas are conveyed simplistically	Uses a style (tone, word choice, and sentence patterns) that is not appropriate for discipline, assignment, audience or purpose Fails to communicate ideas effectively and may obscure meaning	Assessment task does not reflect these characteristics for student performance.

Advanced(3)	Proficient(2)	Novice (1)	Not Evident(0)	Not Applicab
Follows conventions of standard written U.S English and avoids of errors in grammar, mechanics, punctuation and usage	Follows the conventions of standard written U.S. English and generally avoids errors (grammar, mechanics, punctuation, and usage) that impede meaning or distract the reader	has persistent errors in grammar, mechanics, punctuation and usage that may impede meaning and relies heavily on instructor guidance to correct	Has significant errors in grammar, mechanics, punctuation, and usage that significantly impede meaning	Assessment task does no reflect these characteristi for student performance

Standard 5: Academic Integrity: Student can demonstrate academic integrity in his or her writing.				Not
Advanced(3)	Proficient(2)	Novice (1)	Not Evident(0)	Applicable
Reflects current academic practices for use of sources and documentation established by professional associations	Reflects current academic practices for use of sources and documentation established by professional associations, with limited guidance	Inconsistently reflects current academic practices of use of sources and documentation established by professional associations and relies heavily on instructor guidance	☐ Plagiarizes ☐ Does not use appropriate academic practices for use of sources and documentation	Assessment task does not reflect these characteristics for student performance.

Montgomery College General Education Assessment Rubric: Technological Competency

Montgomery College's Technological Competency rubric is based on Montgomery College's definition of Technological competency and is designed to be used in conjunction with any of the other General Education Rubrics. Student performance will generally only be measured in one area of technological competency: use of general software applications; use of discipline or course specific software applications, and/or use of a technological device to complete a task. The specifics of the software application or technological tool used will be collected as part of the assessment plan.

Standard 1 Content: St	udent can use general	purpose software applica	ations, discipline specific	
software applications, or	a technological device	to complete tasks.		
Advanced(3)	Proficient(2)	Novice (1)	Not Evident(0)	
 ☐ Uses technology, fluently, to complete advanced tasks, independently. ☐ Seeks new technological 	 Uses technology for routine tasks with minimal assistance Uses familiar resources. 	☐ Uses technology for basic tasks with assistance ☐ May use technology inefficiently	 Does not use technology effectively or correctly Does not use appropriate resources Does not communicate ideas 	Not Applicable Assessment task does
resources to complete tasks Communicates or illustrates ideas clearly and correctly using technology.	 Communicates or illustrates ideas, with minimal errors, using technology Relies on limited instructor guidance to complete tasks 	□ Uses a minimum of resources □ Communicates or illustrates ideas using technology in a limited way □ Relies heavily on instructor guidance to complete tasks	effectively or clearly	not reflect these characteristics for student performance.

Note: for assessments using technological devices, the only the first performance criteria maybe relevant.