

Appendix III

WORKING WITH THE WORDS ACROSS DISCIPLINES

Throughout this book, we've noted that the Academic Moves apply differently in different subject areas. Here, we offer sample tasks for various disciplines for each move. Note that these are not the only tasks you might

use to teach each move. We hope these sample activities offer material for discussion in teams and departments about how students learn these skills and how teachers can work together to enhance one another's curriculum.

	ELA	SOCIAL STUDIES	SCIENCE	MATH
Analyze	<ul style="list-style-type: none"> The elements and themes of a text, such as a poem, article, story, novel, or video, including structure, characterization, plot, word choice, and tone 	<ul style="list-style-type: none"> The steps, causes, or consequences of a historical or current event The elements and ideas of a primary document 	<ul style="list-style-type: none"> The procedures of an experiment or exploration Similarities and differences in findings 	<ul style="list-style-type: none"> The steps used to solve a problem The purpose or steps used in a math concept
Argue	<ul style="list-style-type: none"> An evidence-based interpretation of a text (argument) A position on a topic or issue (persuasive) 	<ul style="list-style-type: none"> An evidence-based interpretation of a text (argument) A position on a topic or issue (persuasive) 	<ul style="list-style-type: none"> A position on a topic or issue in science or on the quality of a model for a phenomenon or solution to a problem 	<ul style="list-style-type: none"> The merits of possible alternate solutions to a problem The results of data
Compare / Contrast	<ul style="list-style-type: none"> Two texts that are similar in some aspect of theme, style, or form Two versions of a text in different media 	<ul style="list-style-type: none"> Decisions or steps made in two similar historical events texts that are similar in theme, style, or form 	<ul style="list-style-type: none"> Methods or approaches to studying a text or topic The design of two processes or prototypes Patterns in sets of data 	<ul style="list-style-type: none"> Alternate approaches to solving a problem Patterns in data or processes Expressions of numbers and equations
Describe	<ul style="list-style-type: none"> A scene, character, or plot (narrative) An event or process (informational) How a text presents information 	<ul style="list-style-type: none"> The steps, causes, or consequences of a historical or current event How a text presents information Trends in graphs or charts 	<ul style="list-style-type: none"> Procedures or methods used in an experiment or exploration Patterns in the natural world for further study 	<ul style="list-style-type: none"> Possible solutions or approaches to a problem Trends in data The context in which a math process might be applied
Determine	<ul style="list-style-type: none"> Word meanings Central themes or ideas of a text Elements related to how authors construct texts (e.g., point of view) 	<ul style="list-style-type: none"> Word meanings Central themes or ideas of a text Possible causes or relationships in historical events 	<ul style="list-style-type: none"> Possible causes of scientific phenomena Findings of data 	<ul style="list-style-type: none"> Most effective methods of solving problems Findings or significance of data How one math concept relies upon another

	ELA	SOCIAL STUDIES	SCIENCE	MATH
Develop	<ul style="list-style-type: none"> Analysis and arguments related to texts or ideas narrative elements, such as plot or characterization 	<ul style="list-style-type: none"> Understanding and presentation of nuanced historical or current events or topics 	<ul style="list-style-type: none"> Design elements for products or prototypes ideas related to experiment design such as science fair projects 	<ul style="list-style-type: none"> Knowledge of multiple ways of solving problems Models or representations of problem-solving techniques
Evaluate	<ul style="list-style-type: none"> Claims of a text Credibility of digital or print source material Quantitative information within a text Speaker's point of view and reasoning 	<ul style="list-style-type: none"> Claims of a text Credibility of digital or print source material Quantitative information within a text Speaker's point of view and reasoning 	<ul style="list-style-type: none"> Credibility of digital or print source material Validity and reliability of multiple claims Quantitative information and data 	<ul style="list-style-type: none"> Potential approaches to a particular process or problem
Explain	<ul style="list-style-type: none"> How an author creates effects such as tone How characters or ideas interact over the course of a text or between texts How ideas in a discussion clarify understanding 	<ul style="list-style-type: none"> How events unfold, including causes and consequences How ideas and events interrelate over time and culture 	<ul style="list-style-type: none"> How processes and phenomena work in the natural world and in the laboratory How an experiment was conducted 	<ul style="list-style-type: none"> How a problem was or could be solved Why a particular process leads to a particular outcome
Imagine	<ul style="list-style-type: none"> Narratives of a variety of kinds, including poems, stories, and personal reflections Predictions for a story outcome Possible counterclaims in argument writing 	<ul style="list-style-type: none"> Narratives (written or otherwise) relating to historical periods and other cultures that demonstrate empathy Possible links, causes, or explanations for events Methods of research and historical exploration 	<ul style="list-style-type: none"> Experimental procedures to explain phenomena Hypotheses within experiments Ways of managing and interpreting data 	<ul style="list-style-type: none"> How mathematical knowledge could be or is applied to real-world situations and problems Alternate ways of portraying or solving data or equations
Integrate	<ul style="list-style-type: none"> Material from research, reading, or diverse media for papers or presentations 	<ul style="list-style-type: none"> Material from research, reading, or diverse media for papers or presentations 	<ul style="list-style-type: none"> Material from research or reading with quantitative data in order to determine findings 	<ul style="list-style-type: none"> A variety of math processes into solving a real-world problem, such as a design challenge
Interpret	<ul style="list-style-type: none"> Words and phrases as they relate to a text Information presented in diverse media and formats as it contributes to a topic, text, or issue The meaning and artistry of poems or other writing 	<ul style="list-style-type: none"> Words and phrases as they relate to a text Information presented in diverse media and formats as it contributes to a topic, text, or issue Events in history as presented through diverse sources 	<ul style="list-style-type: none"> Data, to provide evidence for phenomena 	<ul style="list-style-type: none"> Models and statements of value (such as equations) Graphs and data

	ELA	SOCIAL STUDIES	SCIENCE	MATH
Organize	<ul style="list-style-type: none"> • Claims, concepts, ideas, and evidence in papers and presentations • Sequences in linear or nonlinear fashion for narratives 	<ul style="list-style-type: none"> • Claims, concepts, ideas, and evidence in papers and presentations • Historical sequences and events, including major eras and movements 	<ul style="list-style-type: none"> • Data and information into findings that can be related to an audience • scientific processes and events, including eras of Earth's history 	<ul style="list-style-type: none"> • Data and numbers into meaningful and useful patterns or representations
Summarize	<ul style="list-style-type: none"> • Key details, sequences, and points and counterpoints in a text 	<ul style="list-style-type: none"> • Key details, sequences, and points and counterpoints in a text or historical event 	<ul style="list-style-type: none"> • Findings revealed by data or experiments 	<ul style="list-style-type: none"> • The trends revealed by data
Support	<ul style="list-style-type: none"> • Written and oral arguments or information using specific evidence drawn from texts, research, or experiences 	<ul style="list-style-type: none"> • Written and oral arguments or information using specific evidence drawn from texts, research, or experiences 	<ul style="list-style-type: none"> • An argument about scientific phenomena with evidence, models, or data 	<ul style="list-style-type: none"> • Methods or lines of reasoning used to solve a problem
Transform	<ul style="list-style-type: none"> • One story into another or reality into fictionalized accounts (in order to understand how authors do the same) 	<ul style="list-style-type: none"> • One story into another or reality into fictionalized accounts (in order to understand how authors do the same) 	<ul style="list-style-type: none"> • Numbers and data from one form to another, including visual representations of value 	<ul style="list-style-type: none"> • Numbers and data from one form to another, including visual representations of value

Retrieved from the companion website for *Academic Moves for College and Career Readiness, Grades 6–12: 15 Must-Have Skills Every Student Needs to Achieve* by Jim Burke and Barry Gilmore. Thousand Oaks, CA: Corwin, www.corwin.com. Copyright © 2015 by Corwin. All rights reserved. Reproduction authorized only for the local school site or nonprofit organization that has purchased this book.