

Bennett Day School Competency Map | Upper School (9th-12th Grade)

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MATHEMATICS					
Subject	Algebra	Geometry	Foundational Data Science		ADVANCED MATHEMATICS
Sampling of Math Competencies	Solving Equations	Visualization, Spatial Reasoning, and Geometric Modeling	Describing a Problem Abstractly		<i>Advanced Competencies offered in Advanced Algebra, Advanced Statistics, Trigonometry, Mathematical Modeling, and Calculus</i>
	Mathematical Modeling	Applying Transformations and Using Symmetry			
	Comparing Representations	Specifying Locations and Describing Spatial Relationships	Developing Conjectures About Relationships, Models, and Statistics from Observation of Data.		
	Solving Systems of Equations	Analyzing Characteristics and Properties of 2D and 3D Shapes	Describing Patterns and Characteristics in Data.		
	Operations with Polynomials	Analyzing Characteristics and Properties of 2D and 3D Shapes	Calculating Probability of An Event Using a Formula		
	Factoring Polynomials		Applying Given Mathematical Concepts to Simple Real-World Problems		
SOCIAL SCIENCE					
Subject	Foundational World History	Foundational US History	Foundational US Government		ADVANCED SOCIAL SCIENCE
Sampling of Social Science Competencies	Writing a Historical Thesis Statement	Writing a Historical Thesis Statement	Analyzing Constitutional Principles		<i>Advanced Competencies offered in Social Science Statistics, Social Science Research, and Independent Study in Social Science</i>
	Using and Citing Historical Evidence	Using and Citing Historical Evidence	Using and Citing Government Documents		
	Understanding Primary Documents	Understanding Primary Documents	Identifying Constitutional Issues		
	Comparison and Contrast	Comparison and Contrast	Demonstrating Democratic Participation		
	Cause and Effect	Cause and Effect	Understanding Federalism		
ENGLISH					
Subject	Narrative	Non-Fiction	Creative Non-Fiction	Argument and Persuasion	ADVANCED ENGLISH
Sampling of English Competencies	Identifying Main Idea	Developing a Thesis	Organizing Ideas in a Text	Deconstructing an Argument	<i>Advanced Competencies offered in Advanced Analytical Writing, Advanced Narrative Writing, and Advanced Creative Non-Fiction Writing</i>
	Identifying Supporting Evidence	Identifying and Using Supporting Evidence	Understanding and Using Evidence	Constructing an Argument	
	Developing Questions	Developing Questions around a Text	Pre-writing	Identifying and Using Rhetorical Devices	
	Making Connections	Drawing Connections	Making an Argument	Identifying and Using Evidence Persuasively	
	Annotating Texts	Understanding Audience, Occasion and Purpose	Using Creative Non-Fiction Writing Mechanics	Using Appropriate Grammar and Style	
	Using Appropriate Grammar and Style		Using Non-Fiction Writing Mechanics		
Understanding Elements of Fiction					
SCIENCE AND ENGINEERING					
Subject	Foundational Biology	Foundational Chemistry	Foundational Physics		ADVANCED SCIENCE AND ENGINEERING
Sampling of Science and Engineering Competencies	Following Experimental Procedures	Following Experimental Procedures	Following Experimental Procedures		<i>Advanced Competencies offered in Advanced Biology, Advanced Chemistry, Engineering, Computer Science, Advanced Coding, and Independent Study in STEM</i>
	Collecting and Analyzing Scientific Data	Collecting and Analyzing Scientific Data	Collecting and Analyzing Scientific Data		
	Using Appropriate Scientific Tools	Using Appropriate Scientific Tools	Using Appropriate Scientific Tools		
	Using and Creating Scientific Research	Using and Creating Scientific Research	Using and Creating Scientific Research		
	Drawing Ethical Scientific Conclusions	Drawing Ethical Scientific Conclusions	Drawing Ethical Scientific Conclusions		

WORLD LANGUAGE AND CULTURE				ADVANCED WORLD LANGUAGE AND CULTURE
Subject	Foundational World Language I	Foundational World Language II		<i>Advanced Competencies offered in World Language 3, World Language 4, and World Language 5</i>
Sampling of World Language and Culture Competencies	Listening	Listening		
	Speaking	Speaking		
	Writing	Writing		
ARTS				ADVANCED ARTS
Subject	Foundational Performing Arts	Foundational Visual Arts		<i>Advanced Competencies offered in Portfolio Design, Advanced 2D Art, Advanced 3D Art, and Advanced Performing Arts</i>
Sampling of Arts Competencies	Generating and Conceptualizing Ideas and Work	Demonstrating Visual Relationships		
	Organizing and Developing Ideas and Work	Integrating materials, processes, and ideas		
	Conveying Meaning Through Presentation			
	Perceiving and Analyzing Artistic Work	Demonstrating 2-D/3-D/Drawing skills		
	Synthesizing Knowledge and Personal Experiences to Make Art	Demonstrating Practice, Experimentation, and Revision		
RESEARCH				
Subject	Critical Information Reading	Literary Analysis Reading	Essential Research	
Sampling of Research Competencies	Drawing & Citing Evidence	Drawing & Citing Evidence	Using Complex Information	
	Analyzing Sources	Analyzing Sources	Gathering & Organizing Complex Sources	
	Using Inquiry-Based Strategies	Using Inquiry-Based Strategies	Mastering the Research Cycle	
	Engaging with A Variety of Perspectives	Engaging with A Variety of Perspectives	Connecting my Conclusions to my Research	
	Comparing and Contrasting Sources	Comparing and Contrasting Sources	Understanding Perspective Across Media	