

Maine School Administrative District No. 75

(adopted by the Board on May 7, 2015)

Content Area Standards for Graduation

English Language Arts

English Language Arts Standard 1

READING COMPREHENSION Read and comprehend appropriately complex literary and informational texts independently and proficiently. (CCRA 10)

English Language Arts Standard 2

READING INTERPRETATION: Interpret, analyze, and evaluate appropriately complex literary and informational texts. (CCRA 7, 10)

English Language Arts Standard 3

WRITING ARGUMENTS Write clear and coherent arguments for a range of tasks, purposes, and audiences. (CCWA 1, 4,10)

English Language Arts Standard 4

WRITING INFORMATIVE AND NARRATIVE TEXTS Produce clear and coherent informative and narrative writing for a range of tasks, purposes, and audiences. (CCWA 2, 3, 4, 10)

English Language Arts Standard 5

WRITING PROCESS Develop and strengthen writing. (CCWA 5)

English Language Arts Standard 6

WRITING RESEARCH: Conduct short and sustained research projects based on focused questions, demonstrating understanding of the subject under investigation. (CCWA 7, 10)

English Language Arts Standard 7

SPEAKING AND LISTENING DISCUSSION: Initiate and participate effectively in a range of discussions, responding thoughtfully to diverse perspectives, and expressing ideas clearly and persuasively. (CCSLA 1)

English Language Arts Standard 8

SPEAKING AND LISTENING PRESENTATION: Present information, findings, and supporting evidence, conveying a clear and distinct perspective (CCSLA 4)

(It should be noted that the research-related standards listed above can be applied in any of the content areas that follow.)

Mathematics

Mathematics Standard 1

NUMBER AND QUANTITY Reason and model quantitatively, using units and number systems to solve problems.

Mathematics Standard 2

ALGEBRA Interpret, represent, create and solve algebraic expressions.

Mathematics Standard 3

FUNCTIONS Interpret, analyze, construct, and solve linear, quadratic, and trigonometric functions.

Mathematics Standard 4

GEOMETRY: Prove, understand, and model geometric concepts, theorems, and constructions to solve problems.

Mathematics Standard 5

STATISTICS & PROBABILITY: Interpret, infer and apply statistics and probability to analyze data and reach and justify conclusions.

Science

Science Standard 1

PHYSICAL SCIENCES: STRUCTURE/PROPERTIES OF MATTER, FORCES, AND INTERACTIONS Understand and analyze matter, reactions and physical systems as demonstrated through the integration of scientific and engineering practices and cross-cutting concepts (PS 1 + PS 2)

Science Standard 2

PHYSICAL SCIENCES: ENERGY, WAVES, AND ELECTROMAGNETIC RADIATION Understand and analyze energy and the characteristics and dynamics of waves as demonstrated through the integration of scientific and engineering practices and cross-cutting concepts (PS 3 + PS 4)

Science Standard 3

LIFE SCIENCES: STRUCTURE, FUNCTION, AND INFORMATION PROCESSING Understand and analyze molecular, structural, and chemical biology as demonstrated through the integration of scientific and engineering practices and cross-cutting concepts (LS 1)

Science Standard 4

LIFE SCIENCES: MATTER AND ENERGY IN ORGANISMS AND ECOSYSTEMS Understand and analyze the characteristics, functions, and behavioral interactions within an ecosystem as demonstrated through the integration of scientific and engineering practices and cross-cutting concepts (LS 2)

Science Standard 5

LIFE SCIENCES: GROWTH, DEVELOPMENT, AND REPRODUCTION OF ORGANISMS, NATURAL SELECTION, AND ADAPTATIONS Understand and analyze genetics, adaptation, and biodiversity as demonstrated through the integration of scientific and engineering practices and cross-cutting concepts (LS 3 + LS 4)

Science Standard 6

EARTH AND SPACE SCIENCES: EARTH, SPACE, AND THE UNIVERSE Understand and analyze the origins, interactions and relationships between and among the earth, our solar system, and the universe as demonstrated through the integration of scientific and engineering practices and cross-cutting concepts (ESS1)

Science Standard 7

EARTH AND SPACE SCIENCES: EARTH SYSTEMS Understand and analyze earth's systems and the relationship between human activity and the earth as demonstrated through the integration of scientific and engineering practices and cross-cutting concepts (ESS 2 + ESS 3)

Science Standard 8

ENGINEERING, TECHNOLOGY, AND APPLICATION OF SCIENCE Demonstrate engineering concepts across multiple disciplines and novel situations as demonstrated through the integration of scientific and engineering practices and cross-cutting concepts (ETS).

Social Studies

Social Studies Standard 1

CIVIC ENGAGEMENT: Apply the attributes of a responsible and involved citizen to affect a real world issue based on a local need. (MLR, A2 + A3)

Social Studies Standard 2

CIVICS AND GOVERNMENT: Apply understanding of the ideals and purposes of founding documents, the principles and structures of the constitutional government in the United States, and the American political system to analyze interrelationships among civics, government and politics in the past and the present, in Maine, the United States and the world. (MLR, B)

Social Studies Standard 3

ECONOMICS: Understand and apply the concepts and processes from economics to understand issues of personal finance and issues of production, distribution and consumption in the community, Maine, the United States and the world. (MLR C)

Social Studies Standard 4

GEOGRAPHY: Analyze the physical, human and environmental geography of Maine, the United States and various regions of the world to evaluate the interdependent relationships and challenges facing human systems in the past, present and future. (MLR D)

Social Studies Standard 5

HISTORY: Apply and demonstrate knowledge of major eras, enduring themes, turning points and historic influences to analyze the forces of continuity and change in the community, in Maine, the United States and the world. (MLR E)

World Language

INTERPERSONAL COMMUNICATION*: Engage in conversations and informal written correspondence on a variety of topics. (MLR A1)

INTERPRETIVE COMMUNICATION: Understand and interpret written and spoken language on a variety of topics. (MLR A2)

PRESENTATIONAL COMMUNICATION: Present information, concepts and ideas, orally and in writing, to an audience of listeners or readers on a variety of topics. (MLR A3)

COMPARISON of Practices, Products and Perspectives: Compare the nature of language and the culture(s) of the target language with one's own. (MLR A4, B1-3, C2)

COMMUNITIES: Encounter and use the target language both in and beyond the classroom for personal enjoyment and lifelong learning. (MLR C1, D1)

Visual and Performing Arts

Visual and Performing Arts Standard 1

DISCIPLINARY LITERACY Students show literacy in the discipline through understanding and demonstrating concepts, skills, terminology, and processes.

Visual and Performing Arts Standard 2

CREATION, PERFORMANCE, EXPRESSION Students create, perform/produce, and express ideas through the art discipline.

Visual and Performing Arts Standard 3

CREATIVE PROBLEM SOLVING Students approach artistic problem-solving using multiple solutions and the creative process.

Visual and Performing Arts Standard 4

AESTHETICS AND CRITICISM Students describe analyze, interpret, and evaluate art.

Visual and Performing Arts Standard 5

CONNECTIONS Students understand the relationship among the arts, history and world culture; and they make connections among the arts and to other disciplines, to goal-setting, and to interpersonal interaction.

Health Education and Physical Education

Health Education Standard 1

HEALTH CONCEPTS Students comprehend concepts related to health promotion and disease prevention to enhance health. (MLR A)

Health Education Standard 2

HEALTH INFORMATION, PRODUCTS, AND SERVICES Demonstrate the ability to access valid health information, services and products to enhance health. (MLR B)

Health Education Standard 3

HEALTH PROMOTION AND RISK REDUCTION Demonstrate the ability to practice health-enhancing behaviors and avoid or reduce health risks. (MLR C)

Health Education Standard 4

INFLUENCES ON HEALTH Analyze the ability of family, peers, culture, media, technology and other factors to enhance health. (MLR D)

Health Education Standard 5

ADVOCACY, DECISION-MAKING AND GOAL-SETTING SKILLS Demonstrate the ability to use interpersonal communication and advocacy skills; make decisions; and set goals to enhance personal, family and community health. (MLR E, F)

Physical Education Standard 1

MOVEMENT/MOTOR SKILLS AND KNOWLEDGE Demonstrate the fundamental and specialized motor skills and apply principles of movement for improved performance. (MLR G)

Physical Education Standard 2

PHYSICAL FITNESS ACTIVITIES AND KNOWLEDGE Demonstrate and apply fitness concepts. (MLR H)

Physical Education Standard 3

PERSONAL AND SOCIAL SKILLS AND KNOWLEDGE Demonstrate and explain responsible personal behavior and responsible social behavior in physical activity settings. (MLR I)

Career and Education Development

Career and Education Development Standard 1

SELF-KNOWLEDGE AND INTERPERSONAL RELATIONSHIPS: Assess and demonstrate a thorough understanding of the knowledge, attitudes, behaviors and skills needed to be successful in school, careers, civic life, and relationships with others. (NCDG PS1, PS2)

Career and Education Development Standard 2

EDUCATION, CAREER AND LIFE ROLES Demonstrate an understanding of the relationship between the changing nature of work in a 21st century global economy and educational requirements; how learning new skills and educational achievement lead to increased career options and lifelong learning. (NCDG ED 1, ED 2 ,CM 3, CM 5)

Career and Education Development Standard 3

MAKING DECISIONS, UTILIZING A PLANNING PROCESS, CREATING OPPORTUNITIES AND MAKING MEANINGFUL CONTRIBUTIONS Demonstrate effective decision-making and planning skills in their pursuit of success in education, work and citizenship roles. (NCDG CM 1, CM 2, CM 3, CM 4)

Guiding Principles

A. A Clear and Effective Communication

Understands the attributes and techniques that positively impact constructing and conveying meaning for a variety of purposes and through a variety of modes.

B. A Self-Directed and Lifelong Learner

Understands the importance of embracing and nurturing a growth mindset.

C. A Creative and Practical Problem Solver Who:

Is skilled at selecting and applying a process of problem-solving to deepen understanding and determine whether redefining the goal is a better way of addressing a problem situation and continuing to consider other alternative solutions until one resonates as the best one.

D. A Responsible and Involved Citizen

Understands the interdependence within and across systems and brings to each situation the appropriate actions.

E. An Integrative and Informed Thinker

Is skilled at using complex reasoning processes to make meaning.