

# Curriculum Exit Standards for Students

## Content Specific Elementary Exit Standards

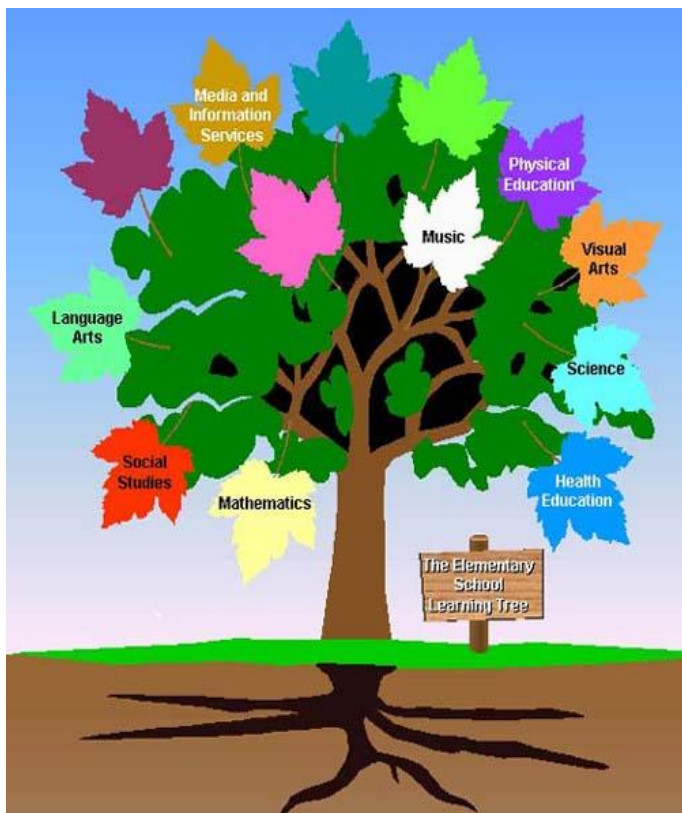
By the end of Grade 5 students will be able to:

### LANGUAGE ARTS

- Develop proficiency in the areas of reading, writing, speaking, listening, and viewing.
- Construct meaning and respond thoughtfully to a variety of material from print, non-print, and electronic materials.
- Use a variety of strategies to create and develop meaning when reading, writing, listening, speaking, and viewing.
- Express questions, thoughts, interpretations, and opinions related to material from print, non-print, and electronic source content and purpose in both oral and written form.
- Develop stories, essays, and poems using the writing process.
- Read to learn and for pleasure.

### MATHEMATICS

- Use mathematical skills, techniques, and applications to solve problems.
- Demonstrate an operational sense of the fact families in addition and subtraction through 18, and multiplication and division through the 9's table.
- Demonstrate number sense by counting, comparing, estimating, and using place-value concepts in whole numbers, fractions, and decimals.
- Demonstrate spatial sense by describing, modeling, drawing, and classifying shapes, and relate geometric ideas to numbers and measurement ideas.
- Use mathematical reasoning to solve problems by applying number sense or using spatial relationships.
- Use common units of measure such as length, capacity, weight, area, volume, time, temperature, and angles.
- Select and use computational techniques appropriate to specific whole number problems, and determine whether the results are reasonable.
- Collect, organize, and describe data.
- Explain verbally and in writing all taught mathematical concepts.



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### INFORMATION LITERACY AND TECHNOLOGY

- State a simple research question, present research findings in a variety of formats, and compile a list of works cited for any presentation.
- Locate and use materials with appropriate guidance from a variety of sources including print, non-print, electronic, and the Internet to answer a research question.
- Select books and articles from the major literacy genres: novels, short stories, poetry, and non-fiction for independent reading.
- Select, access and use software appropriate to a given task and create a multi-media presentation to communicate ideas.
- Follow Acceptable Use Policy Guidelines for safe and appropriate use of the Internet.

### MUSIC

- Develop introductory listening, singing, movement, and instrumental skills.
- Read, understand, and apply basic musical notation and vocabulary.
- Discuss appropriate historical, cultural, and

## **SCIENCE**

- Make accurate observations involving biology, physical, and chemical characteristics.
- Describe how organisms share basic characteristics, which include life cycles that begin with birth and end with death.
- Describe why water is important for life.
- Diagram the earth and describe how it obtains its energy from the Sun.
- Demonstrate that matter has physical and chemical properties that can be changed.
- Use scientific instruments correctly in gathering data.
- Demonstrate how science, math, and technology are interrelated.

## **SOCIAL STUDIES**

- Demonstrate an understanding of social studies units of study by acquiring, organizing, interpreting, and applying data from various forms of print and non-print material.
- Use historical statements and concepts to assist in decision-making about public issues.
- Recognize and apply distance, direction, scale, map symbols, latitude, and longitude through the use of maps and globes.
- Recognize and understand events, personalities, geographic and economic factors that have shaped the history and culture of Danbury, Connecticut and other regions of the United States.
- Demonstrate an understanding of the historical and economic events that created and transformed the new American Nation to 1800.

interdisciplinary elements of music.

## **VISUAL ARTS**

- Demonstrate a basic knowledge of elements and principles of art and their creative application to two and three-dimensional design.
- Explore a variety of appropriate art methods, media, and subjects.
- Understand appropriate historical, cultural, and interdisciplinary elements of art.

## **PHYSICAL EDUCATION**

- Demonstrate age appropriate form in the fundamental movement skills: locomotor, nonlocomotor, and selected manipulative skills.
- Recognize the personal physiological effects that accompany moderate to vigorous physical activity.
- Recognize the contributions that individual differences add to group activities.

## **HEALTH EDUCATION**

- Explain how childhood injuries and illnesses can be prevented.
- Demonstrate the ability to locate school and community health helpers.
- Compare behaviors that are safe to behaviors that are risky or harmful.
- Explain how media influences thoughts, feelings, and health behaviors.
- Demonstrate the ability to apply a decision-making process to health issues and problems.

## **Content Specific Middle School Exit Standards**

**By the end of Grade 8 students will be able to:**

### **LANGUAGE ARTS**

- Apply a variety of strategies to understand, explain, and evaluate material from print, non-print, and electronic sources to construct meaning.
- Communicate effectively in written and oral forms to describe, explain, persuade, and/or create meaning.
- Engage in basic research activities using a variety of materials from print, non-print, and electronic sources.
- Recognize the characteristics of the different literary genre.
- Read and respond to material from print, non-print, and electronic sources for learning and pleasure

### **MATHEMATICS**

- Solve open-ended problems using graphs, geometry, and symbols.
- Demonstrate an understanding of the relationship of operations on whole numbers, fractions, decimals, integers, and rational numbers.
- Use statistical methods to describe, analyze, evaluate, and make decisions.
- Describe patterns by using tables, graphs, and functional relationships.
- Demonstrate an algebraic understanding of variables, expressions, and equations
- Understand geometric concepts of lines, angles, figures, area, perimeter and volume.
- Use ratio, proportion and percent to represent and describe mathematical relationships.

### **SCIENCE**

- Communicate in a logical manner using written, verbal and portfolio methods.
- Conduct scientific investigations that involve the scientific method while identifying and controlling variables in experiments.
- Describe the major characteristics found in the kingdoms of living organisms.
- Explain how nature and human activities have changed the Earth's land, oceans, and

### **INFORMATION LITERACY AND TECHNOLOGY**

- Demonstrate the skills needed to develop and explore a variety of critical instructional questions.
- Evaluate the authenticity and relevance of information from a variety of sources, including print, non-print, and electronic and demonstrate knowledge of the ethical use of copyrighted materials.
- Present findings in written and multimedia formats.
- Create and implement simple Internet searches with guidance and prepare presentations for Intranet publication.
- Give complete, standard bibliographic citations for all resources used.
- Use the school network to access materials, to manipulate information, and to communicate.

### **VISUAL ARTS**

- Develop independent, creative, artistic approaches to self-expression.
- Effectively utilize a variety of art methods, media and subjects to communicate ideas.
- Exhibit basic skills in analyzing, evaluating, classifying and comparing artistic elements, work and genres.

### **PHYSICAL EDUCATION**

- Demonstrate developmentally appropriate applications of physical education techniques by combining a variety of movement and body activities.
- Maintain personal records of moderate to vigorous physical activities.
- Develop personal goals and strategies for the improvement of selected fitness components necessary for a healthy lifestyle.
- Demonstrate supportive and inclusive behaviors when meeting the individual needs of peers in physical activity settings.

### **HEALTH EDUCATION**

- Describe the interrelationship of mental, emotional, social, and physical health during adolescence.
- Demonstrate the ability to utilize health resources from home, school, and community that provide valid information to develop a personal health assessment that determines strengths and risks.

atmosphere.

- Identify important relationships among issues related to science, math, and technology that affect society.
- Describe the roles of producers, consumers, and decomposers in the Earth's ecosystems.
- Identify interactions between matter and energy on Earth and in space.
- Describe human body systems and how each contributes to the health of the individual

### **SOCIAL STUDIES**

- Describe the relationship between geography and history in terms of time and place and as a context for events.
- Use a variety of research skills that pose, identify, and define geographic and historic issues, problems and questions.
- Participate in persuading, compromising, debating and negotiating the resolution of current, historical, or geographical conflicts and differences.
- Demonstrate an understanding of the historical and economic events that transformed America in the 19th century.
- Understand the basic concepts of economics.

### **FAMILY AND CONSUMER SCIENCE**

- Demonstrate the ability to manage financial resources to meet the goals of individuals and families across ones life span.
- Demonstrate the ability to acquire, handle, and use food to meet nutrition and wellness needs of individuals and families across ones life span
- Recognize the psychological, historical, and economic importance of clothing and demonstrate basic hand and machine sewing techniques through design ideas and visual presentations.

- Determine how to effectively communicate information, ideas, feelings, and opinions about health related issues and understand the impact of peer influence on personal health.
- Describe how changes in personal capabilities, priorities, and responsibilities influence personal health goals.

### **TECHNOLOGY EDUCATION**

- Demonstrate an understanding of technology and its systems and how they affect the areas of production, communication, and transportation.
- Recognize the scope of technology and evaluate the impact and consequences technology has on society, culture, and the environment.
- Investigate ideas and develop research skills to address technology-related needs and problems and to design and construct technology-based products.
- Apply science, mathematics, language arts, and technological concepts to solve real world problems.
- Use technology resources, processes, and tools safely and effectively.
- Demonstrate a general understanding of technology-based roles and careers including engineers, technologists, technicians, and craftspeople.

### **WORLD LANGUAGE**

- Use the basic vocabulary and grammar of the target language, formulate statements and opinions in the target language, and write developmentally appropriate compositions.
- Understand and respond appropriately to instructions and questions in the target language.
- Describe similarities and differences between their culture and lifestyle and the cultures and lifestyles studied.
- Describe the various aspects of diversity in a multicultural community.
- Read appropriate material and answer questions based on the reading.
- Use correct spelling, accents, punctuation and capitalization in the target language.

## Content Specific High School Exit Standards

By the end of Grade 12 students will be able to:

### LANGUAGE ARTS

- Select and apply a variety of strategies to construct, interpret, and evaluate meaning of complex text.
- Demonstrate an understanding of the nature and use of the different literary genres.
- Communicate effectively as writers, listeners, and speakers.
- Demonstrate resourcefulness and effective communication in a research activity using material from print, non-print, and electronic sources.
- Read for life-long learning, work, and pleasure.

### MATHEMATICS

- Demonstrate logical reasoning by making and testing conjectures, following a logical argument, and constructing simple and valid arguments.
- Interpret and define situations using variables, equations, tables, and graphs.
- Illustrate real -world phenomena with a variety of functions, verbal rules, equations and graphs.
- Represent and solve problems using geometric models.
- Use data analysis, statistics, and probability to draw inferences from charts, tables, and graphs that summarize data from real-world situations.
- Use technology to learn, explore and solve mathematical problems and concepts.

### SCIENCE

- Demonstrate that science is a learning experience that is based upon asking questions and seeking and validating information.
- Describe how science has influenced cultures and societies.
- Demonstrate an understanding of the processes and forces that have shaped the structure and composition of the Earth and the Universe.
- Explain how all organisms in the biosphere are linked to each other and to their physical environment by the transfer of matter and energy.
- Demonstrate how the Earth is a unique and dynamic member of the solar system, its

## INFORMATION LITERACY AND TECHNOLOGY

- Demonstrate the ability to create a hypothesis and use primary and secondary sources to explore and validate the hypothesis.
- Present research findings in multimedia and in writing, as position papers, case studies, briefs and other appropriate forms.
- Demonstrate effective and appropriate use of the Internet as an information source.
- Demonstrate effective and efficient use of the school-based technology network and other media equipment in order to complete projects.

### MUSIC

- Sing and/or perform instrumentally with expression, improvisation and technical, reading, and notational accuracy.
- Develop basic improvisational and/or composing skills
- Understand and interpret musical elements, performances and genres aesthetically and historically.

### VISUAL ARTS

- Demonstrate independence, creativity and self-awareness in a concentrated area of artistic specialization.
- Demonstrate the skills necessary to continue to develop technical proficiency in varied art methods, media and subjects in one or more areas of artistic specialization.
- Understand, interpret and critique works of art and genres aesthetically and historically.

### PHYSICAL EDUCATION

- Use basic movement skills to participate in a wide variety of leisure and work-related physical activities.
- Design a personal health fitness program based on an accurately assessed fitness profile.
- Demonstrate the ability to adjust individual performance to address differences in the individual physical, emotional and social characteristics of others.
- Recognize the influence physical activity can have in fostering an appreciation of cultural, ethnic, gender, physical and age differences.

relationship within our galaxy and our relationship within a continuously changing universe.

- Describe the relationship between all life forms and the environment.
- Demonstrate the relationship between mathematics, science, technology and written communication and explain how people effect and are effected by this relationship.

### **SOCIAL STUDIES**

- Demonstrate an understanding that the world encompasses the historical experience from Ancient Times to modern civilization of peoples in Africa, the Americas, Asia and Europe.
- Apply critical thinking and knowledge of history and the social sciences to the decision-making process and the analysis of controversial issues in order to understand the present and anticipate the future.
- Read widely and critically to develop perspectives and thoughtful judgment and to make informal considered choices as they related to history and the social sciences.
- Explain the legal purposes and obligation to participate in our constitutional democracy and understand the relationship between participation in civic life and the attainment of personal and public goals.

### **WORLD LANGUAGES**

- Demonstrate a thorough knowledge of the vocabulary and grammar of the language studied and an in-depth knowledge of the cultures studied.
- Analyze critically what they have read and recognize main ideas as well as details.
- Demonstrate correct writing skills in the target language and write with accuracy and detail about a variety of topics.
- Demonstrate knowledge of the literature of the target language.
- Comprehend and use a variety of materials written for native speakers.
- Demonstrate the skills necessary to engage in extensive conversation with native speakers.
- Demonstrate the ability to plan a trip to one of the countries studied.

### **HEALTH EDUCATION**

- Explain the impact of personal health behaviors on the functioning of body systems.
- Demonstrate the ability to access school and community health services for self and others.
- Develop strategies to improve or maintain personal, family and community health.
- Evaluate the effect of media and other factors on personal, family, and community health.
- Demonstrate healthy ways to express needs, wants, and feelings.
- Demonstrate the ability to utilize various strategies when making decisions related to health needs and risks of young adults.

### **TECHNOLOGY EDUCATION**

- Demonstrate knowledge and a variety of skills about diverse technology systems, including their nature, functioning and applications and how this technology has changed society.
- Demonstrate the ability to creatively solve problems with technology using a systems approach, higher order thinking skills, and a variety of resources including information, tools, and materials.
- Demonstrate the safe, effective, and creative use of technological resources including tools, machines, and materials throughout various technological processes.
- Demonstrate knowledge of and the ability to perform tasks representative of careers in technology-based positions such as engineers, technologists, and technicians.

### **FAMILY AND CONSUMER SCIENCE**

- Use various strategies to manage multiple individual, family, career, and community roles and responsibilities.
- Demonstrate and understanding of the interrelationships between the economic system and consumer actions.
- Demonstrate the skills necessary to pursue a variety of career paths within the Family and Consumer Sciences fields.
- Demonstrate the ability to apply Family and Consumer Science principles in order to address the diverse perspectives, needs, and characteristics of individuals and families.

