

# COMPETENCY EDUCATION



**In The  
Epping School  
District**

# Competency Resources



During the development of the Epping School District Competency Education System resources from many sources were evaluated.

This presentation cannot include all of the resources, but key resources can be referenced in [hyperlinks](#) embedded throughout the presentation.

# Competencies in NH Public School Standards



**By July 1, 2017** – K-8 curriculum outlines district competencies.

**By July 1, 2016** – 9-12 curriculum outlines district and graduation competencies.

Credit shall be based on the demonstration of district and graduation competencies not on time spent achieving these competencies (seat time).

Graduation shall be based on mastery of required graduation competencies.

(Reference: [Minimum Standards for Public School Approval Page 26, 28 & 31](#))

# Definition of Competency



**NH** - “Competencies” means student learning targets that represent key content-specific concepts, skills, and knowledge applied within or across content domains. Specific and required types of competencies include district competencies and graduation competencies.

(Reference: [Minimum Standards for Public School Approval Page 1](#))

**Epping** - Student will understand content concepts and demonstrate the ability to transfer skills across content areas and apply concepts and skills to real-life situations.

(Reference: [Epping School District Competencies for Learning Page 1](#))

# Epping Content Competencies System



<b>Content Area</b>	<b>System</b>
English	Content Skills (Practices)
Mathematics	Content Skills (Practices)
Science	Content Concepts
Social Studies	Content Concepts
Unified Arts	Content Skills (Practices) & Concepts
World Language	Content Skills (Practices) & Concepts

**4 to 5 District Competencies per Content Area**

# Epping Skills Competencies System



Skill	System
Collaborator	<p data-bbox="730 801 1721 858"><b>All Skills Apply to All Content Areas</b></p>
Communicator	
Contributor	
Evaluator	
Learner	
Producer	
Technology User	
Thinker	

# Epping ELA Competencies



- **Reading** – Students will demonstrate the ability to read closely and analytically to comprehend a range of increasingly complex literary and informational texts.
- **Writing** – Students will demonstrate the ability to produce effective and well-grounded writing for a range of purposes and audiences.
- **Speaking & Listening** – Students will demonstrate the ability to employ effective speaking and listening skills for a range of purposes and audiences.
- **Research & Inquiry** – Students will demonstrate the ability to engage in research and inquiry to investigate topics, and to analyze, integrate, and present information.

# ELA Resources



## [Smarter Balanced Assessment Consortium ELA Claims](#)

- Reading
- Writing
- Speaking and Listening
- Research/Inquiry

## [NH English Language Arts & Literacy Competencies](#)

- Reading literature and information texts
- Writing arguments, explanatory writing, and narrative writing
- Research
- Listening and speaking
- Technology

## [Epping School District Competencies for Learning Page 3](#)



# Epping Mathematics Competencies



- **Concepts & Procedures** – Students will demonstrate the ability to explain and apply mathematical concepts and interpret and carry out mathematical procedures with precision and fluency.
- **Problem Solving** – Students will demonstrate the ability to solve a range of complex well-posed problems in pure and applied mathematics, making productive use of knowledge and problem solving strategies.
- **Communicating & Reasoning** – Students will demonstrate the ability to clearly and precisely construct viable arguments to support their own reasoning and to critique the reasoning of others.
- **Modeling & Data Analysis** – Students will demonstrate the ability to analyze complex, real-world scenarios and construct and use mathematical models to interpret and solve problems.

# Mathematics Resources



## [Smarter Balanced Assessment Consortium Math Claims](#)

- Concepts and Procedures
- Problem Solving
- Communicating Reasoning
- Modeling and Data Analysis

## [NH Mathematics Competencies](#)

- Numbers and Quantity
- Algebra
- Functions
- Geometry
- Statistics and Probability

## [Standards for Mathematical Practice \(Common Core\)](#)

## [Epping School District Competencies for Learning Page 3](#)

# Epping ELA & Math Competencies



Epping ELA and math competencies were purposely designed to apply PK to 12 so that all grades are working toward the same competencies leading to high school graduation and preparing students for college, career, and life. (District competencies are graduation competencies.)

ELA and math competencies are skill based focusing on good practices within the content that also transfer to other content areas. Note the use of “demonstrate” in the competencies.

- **ELA** – demonstrate the ability to read, write, speak & listen, and research & inquire
- **Math** – demonstrate the ability to apply concepts & procedures, problem solve, communicate & reason, and model & analyze data

# Epping Science Competencies



- **Nature of Science** – Students will develop an appreciation for the role science plays in our culture and everyday lives, and actively engage in scientific investigation.
- **Stability & Change** – Students will understand that living things, materials, and systems remain constant, change at different rates, or exist in equilibrium over time.
- **Systems, Energy, & Matter** – Students will understand that there is order and predictability in the universe which can be organized into systems and predicted by laws and theories.
- **Structure & Function** – Students will understand that the structure or shape of a living thing, material, or system is related to its function.
- **Models & Explanations** – Students will understand that scientists use logic, models, evidence, and current knowledge to explain their world.

# Science Resources



## [NH Science Competencies Page 6](#)

- Patterns
- Cause and Effect
- Scale, Proportion, and Quantity
- Systems and System Models
- Energy and Matter in Systems
- Structure and Function
- Stability and Change of Systems
- Nature of Science

## [Next Generation Science Standards Page 3](#)

## [Epping School District Competencies for Learning Page 3](#)

# Epping Social Studies Competencies



- **People, Places, & Environment** – Students will understand that individuals, groups and societies interact with each other, their social and physical environments such that cultures evolve over time.
- **Conflict & Cooperation** – Students will understand that conflict and cooperation together shape the development of society.
- **Global Communication** – Students will understand the impacts that the arts, literature, language and technological advances have on society.
- **Citizenship** – Students will understand the role of citizens as members of political and global communities and the responsibilities of individuals as members of a group.

# Social Studies Resources



## [NH Social Studies Standards - Ten Themes \(Page 6\)](#)

- Conflict and Cooperation
- Civic Ideals, Practices, and Engagement
- People, Places, and Environment
- Material Wants and Needs
- Cultural Development, Interaction, and Change
- Global Transformation
- Science, Technology, and Science
- Individualism, Equality, and Authority
- Patterns of Social and Political Organization
- Human Expression and Communication

## [Epping School District Competencies for Learning Page 3](#)

Note: NH standards are under revision. There are no NH Social Studies Competencies at this time.

# Epping Science & Social Studies Competencies



Epping science and social studies competencies were purposely designed to apply PK to 12 so that all grades are working toward the same competencies leading to high school graduation and preparing students for college, career, and life. (District competencies are graduation competencies.)

Science and social studies competencies are concept based focusing on big ideas within the content that also transfer to other content areas. Note the use of “understand” in the competencies.

- **Science** – Stability & Change – Students will understand that living things, materials, and systems remain constant, change at different rates, or exist in equilibrium over time.
- **Social Studies** – Conflict & Cooperation – Students will understand that conflict and cooperation together shape the development of society.



# Epping Unified Arts Competencies



- **Communication** – Students will demonstrate the ability to communicate in meaningful and appropriate ways within the context of their own unique experiences, values, and perspectives.
- **Experiences** – Students will understand that the processes of creating and/or performing work are essential to the life experience of the individual and the community.
- **Global Connections** – Students will understand that the unified arts have a fundamental connection with cultures and history.
- **Evaluation** – Students will understand that the products of the unified arts are created to convey a point of view realistically, abstractly, or digitally, and as a result can be critically and constructively evaluated.
- **Integration** – Students will understand that the unified arts integrate with other content areas and these interdisciplinary connections enhance their experience.

# Unified Arts Resources



## [NH Arts Standards - Goals \(Page viii\)](#)

- Create, perform, and respond
- Communicate
- Evaluate
- Understand historical development
- Relate the arts within the art discipline and other disciplines
- Use technology
- Impact of arts on everyday life

## [Epping School District Competencies for Learning Page 4](#)

Note: NH standards are under revision. There are no NH Arts Competencies at this time.

# Epping World Language Competencies



- **Communication** – Students will demonstrate the ability to communicate in meaningful and appropriate ways with users of other languages.
- **Cultures** – Students will gain knowledge and understanding of other cultures by mastering the cultural contexts in which the language occurs.
- **Connections** – Students will understand the ability to connect with other disciplines and acquire information that may be unavailable to the monolingual English speaker.
- **Comparisons** – Students will develop insight into the nature of language and the concept of culture and realize that there are multiple ways of viewing the world.
- **Communities** – Students will demonstrate the ability to participate in multilingual communities at home and around the world in a variety of contexts and in culturally appropriate ways.

# World Language Resources



## National Foreign Language Standards

- Communication
- Cultures
- Connections
- Comparisons
- Communities

## Epping School District Competencies for Learning Page 4

Note: There are no NH World Language standards and competencies at this time.

# Epping Unified Arts & World Language Competencies



Epping unified arts and world language competencies were purposely designed to apply PK to 12 so that all grades are working toward the same competencies leading to high school graduation and preparing students for college, career, and life. (District competencies are graduation competencies.)

Unified arts and world language competencies are both skill based and concept based.

<b>Competency</b>	<b>Skill Based</b>	<b>Concept Based</b>
Focus	Good Practices	Big Ideas
Action Word	Understand	Demonstrate

# Epping Skills Competencies



- **Collaborator** – Students will understand that respect, collaboration, and leadership are critical to interacting and working effectively with others.
- **Communicator** – Students will demonstrate the ability to communicate clearly using the most appropriate and effective means.
- **Contributor** – Students will demonstrate the ability to contribute in class and towards a better world through community service, acceptance and tolerance of diverse people, and responsibility for the environment around them.
- **Evaluator** – Students will demonstrate the ability to access, evaluate, use, and manage information.

# Epping Skills Competencies (Continued)



- **Learner** – Students will demonstrate the ability to be flexible, adaptable, and accountable throughout the learning process.
- **Producer** – Student will demonstrate the ability to manage projects, produce results, and create media products.
- **Technology User** – Student will demonstrate the ability to use technology respectfully and apply it effectively.
- **Thinker** – Student will demonstrate the ability to think critically, creatively, and systematically to define and solve problems.

# Skills Resources



## 21st Century Learning Skills (P21) Page 3

### **Learning and Innovation Skills**

- Creativity and Innovation
- Critical Thinking and Problem Solving
- Communication and Collaboration

### **Information, Media, and Technology Skills**

- Information Literacy
- Media Literacy
- Information, Communications, and Technology Literacy



# Skills Resources (Continued)



## **Life and Career Skills**

- Flexibility and Adaptability
- Initiative and Self-Direction
- Social and Cross-Cultural Skills
- Productivity and Accountability
- Leadership and Responsibility

## **[Epping School District Competencies for Learning Page 2](#)**

## **Draft NH Work-Study Practices (Not Published)**

- Communication
- Creativity
- Collaboration
- Self-Direction

# Grading and Reporting



Courses have competency statements which link back to the District Competencies for Learning. Each course has:

- An overall number grade (0 to 100%).
- 4 to 5 content letter competency grades and 8 skill number competency grades.

Competency Grade	Content	Skill
Advanced	A	4
Beyond Competent	B	3
Competent	C	2
Not Yet Competent	N	1

# “THE END” IN MIND



## **Mission**

The mission of the Epping School District is to focus on the potential of every student and engage them to be passionate, confident learners who demonstrate competence and have strength of character to reach their highest aspirations and thoughtfully contribute to a diverse and changing world.

## **Competencies**

- The Epping graduate will understand content concepts and demonstrate the ability to transfer skills across content areas and apply concepts and skills to real-life situations.
- The Epping graduate will be a collaborator, communicator, contributor, evaluator, learner, producer, technology user, and thinker.