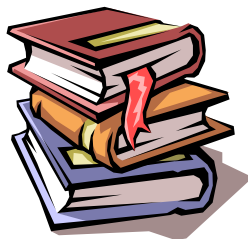


The Needham Public Schools are engaged in improving social and emotional learning (SEL) for all students. SEL is the process through which children develop skills for decision-making, communication, cooperation, conflict resolution, problem solving, and developing healthy relationships for work and play. The school system has adopted The **Responsive Classroom** program as the basis for its K-5 social and emotional learning. It is based on principals of child development, explicit teaching of social as well as academic skills and the facilitation of positive community membership. The program increases social skills and academic engagement, establishes positive classroom climate, increases learner investment and independence, and decreases disruptive behaviors.

At **Grade Two**, students will:

- Identify feelings of others
- Label positive and negative emotions
- Recognize and resist inappropriate behaviors (impulse control)
- Generate several solutions to a problem
- Seek help when appropriate
- Behave cooperatively and considerately in a group
- Learn self-management skills



## Ways to Help Your Child

- Praise your child's diligent efforts
- Provide time to answer your child's questions and listen to his/her experiences and concerns
- Express confidence in your child as a capable learner
- Read with and to your child
- Review and discuss homework
- Encourage reading for pleasure
- Write with and to your child
- Engage in mathematical games and activities
- Involve your child in curriculum related experiences (i.e., art, cooking, oral story telling, estimating, observations, etc.)
- Identify a homework study area for your child

### NEEDHAM PUBLIC SCHOOLS

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# Needham Public Schools



## GRADE 2

### CURRICULUM SUMMARY

#### VISION STATEMENT

*A community and school partnership that creates excited learners, inspires excellence, fosters integrity*

## Mathematics

- Represent and solve problems involving addition and subtraction
- Add and subtract within 20
- Work with equal groups of objects to gain foundations for multiplication
- Understand place value
- Use place value understanding and properties of operations to add and subtract
- Measure and estimate lengths in standard units
- Relate addition and subtraction to length
- Work with time and money
- Represent and interpret data
- Reason with shapes and their attributes



## Science/ Social Studies

### Science

Students explore the big ideas of life, physical, and earth science through an inquiry-based, hands on approach.

Students study:

- Trees as Plants and Wildlife Habitats (Life Science)
- Soil (Earth Science)
- Magnetism & Maglev Design Challenge (Physical Science)

Living animals, outdoor field trips and special programs serve to enhance the hands-on experience.

### Social Studies

Students learn about geography and engage in inquiry-based social studies as they study the following units:

- Five Themes of Geography (location, place, relationships, movement, regions)

## Reading

- Select books for independent reading appropriate to level and interest
- Know the difference between fiction and non-fiction
- Read for pleasure and begin to read for information
- Read and recognize characteristics of various genre
- Select appropriate print strategies
- Recognize story elements (character, setting, plot)
- Retell and discuss stories
- Read to acquire information
- Use comprehension to deepen understanding
- Increase knowledge of word structure and vocabulary



## Writing

- Use stages of the writing process including, drafting, revising, editing and publishing
- Begin to experiment with graphic organizers to plan writing
- Use oral story telling to plan writing
- Use pictures and sentences to tell a story across multiple pages
- Use mentor text to learn crafting techniques
- Write with voice
- Use phonetic spelling
- Spell grade level high frequency words correctly
- Use the word wall and other spelling resources
- Use beginning capitalization and ending punctuation
- Experiment with punctuating dialogue
- Write in different genres and for different purposes

### Handwriting

- Use legible handwriting

## Art/Music/PE

### Art

- Draw from memory, observation, and imagination
- Explore using brush strokes to create texture
- Recognize patterns and designs in prints
- Create a textural composition (collage)
- Create a 3-D sculptural project
- Develop good motor coordination

### Music

- Demonstrate awareness of pitches
- Distinguish among varied rhythms
- Perform rhythm patterns on instruments and body percussion
- Demonstrate different musical forms
- Demonstrate different tempi through movement
- Use appropriately the four voice functions
- Experience the music of diverse cultures

### Physical Education

- Demonstrate the skills of chasing, dodging, and fleeing
- Develop relationships with people
- Learn to listen and follow directions
- Take turns with others in class
- Demonstrate ability to throw overhand, dribble with hands and feet, and kick
- Demonstrate the ability to jump and land

## Media/Technology

- Read and present information for author/illustrator studies
- Identify different literature types
- Use a simple table of contents and index
- Identify Caldecott titles and series of books
- Differentiate between fiction and nonfiction
- Understand that biographies are true stories of a person's life
- Recognize the patron catalog as a locational tool
- Use advanced drawing tools on computer program
- Navigate between two computer applications, locate, retrieve, and save files
- Combine pictures and text using publishing software for projects
- Ways that children cyberbully each other
- Roles that children play in cyberbullying situations, including bystanders and eggheads