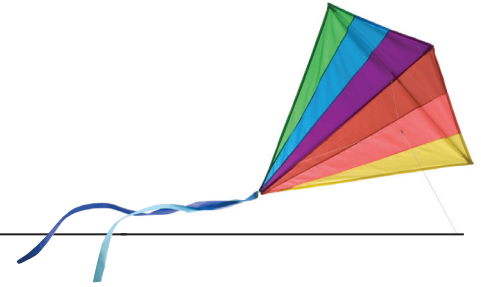




Alignment of



Teaching Strategies GOLD®
Objectives for Development & Learning:
Birth *Through* Kindergarten



WITH

**Alignment of the *Teaching Strategies GOLD*[®] Objectives for Development & Learning: Birth Through Kindergarten
With
*Massachusetts Guidelines for Preschool Learning Experiences***

This document aligns the content in the *Massachusetts Guidelines for Preschool Learning Experiences* with the objectives, dimensions, and indicators of the *Teaching Strategies GOLD*[®] assessment system.

References

- Massachusetts Department of Education. (2003). *Massachusetts Guidelines for Preschool Learning Experiences*. Malden, MA: Author. Retrieved April 30, 2013 from http://www.eec.state.ma.us/docs1/research_planning/ta_guideprelearnexper.pdf
- Heroman, C., Burts, D. C., Berke, K., & Bickart, T. S. (2010). *Teaching Strategies GOLD*[®] objectives for development & learning: Birth through kindergarten. Bethesda, MD: Teaching Strategies, LLC.

Preschool	
English Language Arts	
Language	
1. Observe and use appropriate ways of interacting in a group (taking turns in talking; listening to peers; waiting until someone is finished; asking questions and waiting for an answer; gaining the floor in appropriate ways).	3. Participates cooperatively and constructively in group situations 3a. Balances needs and rights of self and others 6. Initiates the sharing of materials in the classroom and outdoors
2. Participate actively in discussions, listen to the ideas of others, and ask and answer relevant questions.	8. Listens to and understands increasingly complex language 8a. Comprehends language 6. Responds appropriately to specific vocabulary and simple statements, questions, and stories
3. Communicate personal experiences or interests.	9. Uses language to express thoughts and needs 9a. Uses an expanding expressive vocabulary 6. Describes and tells the use of many familiar items
4. Engage in play experiences that involve naming and sorting common words into various classifications using general and specific language.	13. Uses classification skills 4. Places objects in two or more groups based on differences in a single characteristic, e.g., color, size, or shape
5. Listen to and use formal and informal language.	9. Uses language to express thoughts and needs 9a. Uses an expanding expressive vocabulary 6. Describes and tells the use of many familiar items
Reading & Literature	
6. Listen to a wide variety of age appropriate literature read aloud.	8. Listens to and understands increasingly complex language 8a. Comprehends language 6. Responds appropriately to specific vocabulary and simple statements, questions, and stories
7. Develop familiarity with the forms of alphabet letters, awareness of print, and letter forms.	17. Demonstrates knowledge of print and its uses 17b. Uses print concepts 6. Shows awareness of various features of print: letters, words, spaces, upper- and lowercase letters, some punctuation
8. Listen to, identify, and manipulate language sounds to develop auditory discrimination and phonemic awareness.	15. Demonstrates phonological awareness 15c. Notices and discriminates smaller and smaller units of sound 6. Verbally separates and blends onset and rime

<p>9. Link letters with sounds in play activities.</p>	<p>16. Demonstrates knowledge of the alphabet 16b. Uses letter–sound knowledge 4. Produces the correct sounds for 10–20 letters</p>
<p>10. Engage actively in read-aloud activities by asking questions, offering ideas, predicting or retelling important parts of a story or informational book.</p>	<p>18. Comprehends and responds to books and other texts 18a. Interacts during read-alouds and book conversations 4. Asks and answers questions about the text; refers to pictures</p>
<p>11. Listen to several books by the same author or using the same illustrator.</p>	<p>17. Demonstrates knowledge of print and its uses 17a. Uses and appreciates books 6. Knows some features of a book (title, author, illustrator); connects specific books to authors</p>
<p>12. Listen to, recite, sing, and dramatize a variety of age-appropriate literature.</p>	<p>9. Uses language to express thoughts and needs 9a. Uses an expanding expressive vocabulary 6. Describes and tells the use of many familiar items</p>
<p>13. Relate themes and information in books to personal experiences.</p>	<p>12. Remembers and connects experiences 12b. Makes connections 6. Draws on everyday experiences and applies this knowledge to a similar situation</p>
<p>14. Recognize and supply rhythm and rhyme in poetry.</p>	<p>15. Demonstrates phonological awareness 15a. Notices and discriminates rhyme 4. Fills in the missing rhyming word; generates rhyming words spontaneously</p>
<p>15. Listen to, recognize, and use a broad vocabulary of sensory words.</p>	<p>8. Listens to and understands increasingly complex language 8a. Comprehends language 6. Responds appropriately to specific vocabulary and simple statements, questions, and stories</p> <p>9. Uses language to express thoughts and needs 9a. Uses an expanding expressive vocabulary 6. Describes and tells the use of many familiar items</p>

Composition	
16. Use their own words or illustrations to describe their experiences, tell imaginative stories, or communicate information about a topic of interest.	9. Uses language to express thoughts and needs 9d. Tells about another time or place 6. Tells stories about other times and places that have a logical order and that include major details
17. Add details or make changes to published or class-made stories.	11. Demonstrates positive approaches to learning 11b. Persists 7 emerging to 8. Plans and pursues own goal until it is reached 11. Demonstrates positive approaches to learning 11c. Solves problems 7 emerging to 8. Thinks problems through, considering several possibilities and analyzing results
18. Use emergent writing skills to make letters in many settings and for many purposes.	19. Demonstrates emergent writing skills 19b. Writes to convey meaning 4. Letter strings
19. Arrange events in order when dictating a story.	9. Uses language to express thoughts and needs 9b. Speaks clearly 6. Is understood by most people; may mispronounce new, long, or unusual words
20. Generate questions and gather information to answer their questions in various ways.	11. Demonstrates positive approaches to learning 11d. Shows curiosity and motivation 7 emerging to 8. Uses a variety of resources to find answers to questions
Mathematics	
Number Sense	
1. Listen to and say the names of numbers in meaningful contexts.	20. Uses number concepts and operations 20c. Connects numerals with their quantities 4. Identifies numerals to 5 by name and connects each to counted objects
2. Connect many kinds/quantities of concrete objects and actions to numbers.	20. Uses number concepts and operations 20c. Connects numerals with their quantities 6. Identifies numerals to 10 by name and connects each to counted objects

<p>3. Use positional language and ordinal numbers (first, second, third) in everyday activities.</p>	<p>21. Explores and describes spatial relationships and shapes 21a. Understands spatial relationships 6. Uses and responds appropriately to positional words indicating location, direction, and distance</p>
<p>4. Use concrete objects to solve simple addition and subtraction problems using comparative language (more than, fewer than, same number of).</p>	<p>20. Uses number concepts and operations 20b. Quantifies 6. Makes sets of 6–10 objects and then describes the parts; identifies which part has more, less, or the same (equal); counts all or counts on to find out how many</p>
<p>5. Observe and manipulate concrete examples of whole and half.</p>	<p>20. Uses number concepts and operations 20b. Quantifies 6. Makes sets of 6–10 objects and then describes the parts; identifies which part has more, less, or the same (equal); counts all or counts on to find out how many</p>
<p>6. Examine, manipulate, and identify familiar U.S. coins (penny, nickel, dime, quarter) in play activities.</p>	<p>22. Compares and measures 4. Compares and orders a small set of objects as appropriate according to size, length, weight, area, or volume; knows usual sequence of basic daily events and a few ordinal numbers</p>
<p>Patterns & Relations</p>	
<p>7. Explore and describe a wide variety of concrete objects by their attributes.</p>	<p>13. Uses classification skills 4. Places objects in two or more groups based on differences in a single characteristic, e.g., color, size, or shape</p>
<p>8. Sort, categorize, or classify objects by more than one attribute.</p>	<p>13. Uses classification skills 4. Places objects in two or more groups based on differences in a single characteristic, e.g., color, size, or shape</p>
<p>9. Recognize, describe, reproduce, extend, create, and compare repeating patterns of concrete materials.</p>	<p>23. Demonstrates knowledge of patterns 8. Recognizes, creates, and explains more complex repeating and simple growing patterns</p>
<p>Shapes & Spatial Sense</p>	
<p>10. Investigate and identify materials of various shapes, using appropriate language.</p>	<p>21. Explores and describes spatial relationships and shapes 21b. Understands shapes 4. Identifies a few basic shapes (circle, square, triangle)</p>

<p>11. Explore and identify space, direction, movement, relative position, and size using body movement and concrete objects.</p>	<p>21. Explores and describes spatial relationships and shapes 21a. Understands spatial relationships 6. Uses and responds appropriately to positional words indicating location, direction, and distance</p>
<p>12. Listen to and use comparative words to describe the relationships of objects to one another.</p>	<p>22. Compares and measures 4. Compares and orders a small set of objects as appropriate according to size, length, weight, area, or volume; knows usual sequence of basic daily events and a few ordinal numbers</p>
<p>Measurement</p>	
<p>13. Use estimation in meaningful ways and follow up by verifying the accuracy of estimations.</p>	<p>20. Uses number concepts and operations 20b. Quantifies 4. Recognizes and names the number of items in a small set (up to five) instantly; combines and separates up to five objects and describes the parts</p>
<p>14. Use nonstandard units to measure length, weight, and amount of content in familiar objects.</p>	<p>22. Compares and measures 6. Uses multiples of the same unit to measure; uses numbers to compare; knows the purpose of standard measuring tools</p>
<p>Data Collection & Analysis</p>	
<p>15. Organize and draw conclusions from facts they have collected.</p>	<p>14. Uses symbols and images to represent something not present 14a. Thinks symbolically 8. Represents objects, places, and ideas with increasingly abstract symbols</p> <p>24. Uses scientific inquiry skills</p>

Science and Technology/Engineering	
Inquiry Skills	
1. Ask and seek out answers to questions about objects and events with the assistance of interested adults.	11. Demonstrates positive approaches to learning 11d. Shows curiosity and motivation 5 emerging to 6. Shows eagerness to learn about a variety of topics and ideas 24. Uses scientific inquiry skills
2. Make predictions about changes in materials or objects based on past experience.	24. Uses scientific inquiry skills 26. Demonstrates knowledge of the physical properties of objects and materials
3. Identify and use simple tools appropriately to extend observations.	28. Uses tools and other technology to perform tasks
4. Record observations and share ideas through simple forms of representation such as drawings.	14. Uses symbols and images to represent something not present 14a. Thinks symbolically 6. Plans and then uses drawings, constructions, movements, and dramatizations to represent ideas
Earth and Space Sciences	
5. Compare and contrast natural materials such as water, rocks, soil, and living organisms using descriptive language.	27. Demonstrates knowledge of Earth’s environment
6. Explore and discuss what air is or does (air takes up space inside bubbles and beach balls; air can move things; air can support things such as parachutes and kites).	27. Demonstrates knowledge of Earth’s environment
7. Identify the characteristics of local weather based on first-hand observations.	27. Demonstrates knowledge of Earth’s environment
8. Explore sunlight and shadows and describe the effects of the sun or sunlight.	27. Demonstrates knowledge of Earth’s environment
9. Observe and describe or represent scientific phenomena meaningful to children’s lives that have a repeating pattern (e.g., day and night).	27. Demonstrates knowledge of Earth’s environment

Life Sciences	
10. Observe and identify the characteristics and needs of living things: humans, animals, and plants.	25. Demonstrates knowledge of the characteristics of living things
11. Investigate, describe, and compare the characteristics that differentiate living from non-living things.	25. Demonstrates knowledge of the characteristics of living things
12. Observe and describe plants, insects, and animals as they go through predictable life cycles.	25. Demonstrates knowledge of the characteristics of living things
13. Observe and describe ways in which many plants and animals closely resemble their parents in observed appearance.	25. Demonstrates knowledge of the characteristics of living things
14. Describe or represent living things that inhabited the earth years ago, as children express interest.	25. Demonstrates knowledge of the characteristics of living things
Living Things & Their Environment	
15. Use their senses of sight, hearing, touch, smell, and taste to explore their environment using sensory vocabulary.	24. Uses scientific inquiry skills
16. Observe and describe seasonal changes in plants, animals and their personal lives.	27. Demonstrates knowledge of Earth’s environment
17. Observe and describe how natural habitats provide for the basic needs of plants and animals with respect to shelter, food, water, air, and light.	25. Demonstrates knowledge of the characteristics of living things
The Physical Sciences	
18. Manipulate a wide variety of familiar and unfamiliar objects to observe, describe, and compare their properties using appropriate language.	26. Demonstrates knowledge of the physical properties of objects and materials
19. Explore, describe, and compare the properties of liquids and solids found in children’s daily environment.	26. Demonstrates knowledge of the physical properties of objects and materials
20. Investigate and describe or demonstrate various ways that objects can move.	26. Demonstrates knowledge of the physical properties of objects and materials
21. Explore and describe various actions that can change an object’s motion such as pulling, pushing, twisting, rolling, and throwing.	26. Demonstrates knowledge of the physical properties of objects and materials
22. Experiment with a variety of objects to determine when the objects can stand and ways that objects can be balanced.	26. Demonstrates knowledge of the physical properties of objects and materials

Technology & Engineering	
23. Explore and describe a wide variety of natural and man-made materials through sensory experiences.	26. Demonstrates knowledge of the physical properties of objects and materials
24. Demonstrate and explain the safe and proper use of tools and materials.	28. Uses tools and other technology to perform tasks
25. Explore and identify simple machines such as ramps, gears, wheels, pulleys, and levers through play experiences.	28. Uses tools and other technology to perform tasks
26. Observe and describe ways that animals, birds, and insects use various parts of their bodies to accomplish certain tasks and compare them to ways people would accomplish a similar task.	25. Demonstrates knowledge of the characteristics of living things
History and Social Science	
1. Discuss and identify the order of daily routines.	12. Remembers and connects experiences 12b. Makes connections 4. Remembers the sequence of personal routines and experiences with teacher support
2. Discuss and use vocabulary related to time in relevant activities.	22. Compares and measures 4. Compares and orders a small set of objects as appropriate according to size, length, weight, area, or volume; knows usual sequence of basic daily events and a few ordinal numbers
3. Identify and describe cause and effect as they relate to personal experiences and age-appropriate stories.	12. Remembers and connects experiences 12b. Makes connections 6. Draws on everyday experiences and applies this knowledge to a similar situation
4. Engage in activities that build understanding of words for location and direction.	21. Explores and describes spatial relationships and shapes 21a. Understands spatial relationships 6. Uses and responds appropriately to positional words indicating location, direction, and distance
5. Construct and describe simple maps of their immediate neighborhood.	32. Demonstrates simple geographic knowledge

<p>6. Discuss examples of rules, fairness, personal responsibilities, and authority in their own experiences and in stories read to them.</p>	<p>3. Participates cooperatively and constructively in group situations 3a. Balances needs and rights of self and others 6. Initiates the sharing of materials in the classroom and outdoors</p> <p>8. Listens to and understands increasingly complex language 8a. Comprehends language 6. Responds appropriately to specific vocabulary and simple statements, questions, and stories</p>
<p>7. Talk about the qualities we value in a person’s character such as honesty, courage, courtesy, willingness to work hard, kindness, fairness, trustworthiness, self-discipline, loyalty, and personal responsibility.</p>	<p>31. Explores change related to familiar people or places</p>
<p>8. Discuss classroom responsibilities in daily activities.</p>	<p>1. Regulates own emotions and behaviors 1b. Follows limits and expectations 6. Manages classroom rules, routines, and transitions with occasional reminders</p>
<p>9. Discuss roles and responsibilities of family or community members who promote the welfare and safety of children and adults.</p>	<p>30. Shows basic understanding of people and how they live</p>
<p>10. Observe and discuss the various kinds of work people do outside and inside their homes.</p>	<p>30. Shows basic understanding of people and how they live</p>
<p>11. Observe, discuss, and dramatize basic economic concepts such as buying and selling, producing, and consuming.</p>	<p>30. Shows basic understanding of people and how they live</p>
<p>12. Observe some U.S. national holidays and discuss how and why we celebrate them.</p>	<p>30. Shows basic understanding of people and how they live</p>
<p>13. Observe or listen to important American symbols including the American flag and its colors and shapes; the melody of the national anthem; the picture and name of the current President, and the words of the Pledge of Allegiance.</p>	<p>30. Shows basic understanding of people and how they live</p>

Health Education	
Physical Development	
1. Listen to and use appropriate language describing the names and functions of parts of the human body.	29. Demonstrates knowledge about self
2. Build body awareness, strength, and coordination through locomotion activities.	4. Demonstrates traveling skills 6. Moves purposefully from place to place with control
3. Discuss various aids and accommodations used by people for the activities of daily life.	30. Shows basic understanding of people and how they live
4. Build awareness of directionality and position in space.	21. Explores and describes spatial relationships and shapes 21a. Understands spatial relationships 6. Uses and responds appropriately to positional words indicating location, direction, and distance
5. Use both sides of the body to strengthen bilateral coordination.	4. Demonstrates traveling skills 8. Coordinates complex movements in play and games
6. Alternate the left and right sides of the body and cross the midline of the body.	4. Demonstrates traveling skills 8. Coordinates complex movements in play and games
7. Build upper body strength and stability to gain controlled movement of shoulders.	4. Demonstrates traveling skills 6. Moves purposefully from place to place with control
8. Strengthen hand grasp and flexibility.	7. Demonstrates fine-motor strength and coordination 7a. Uses fingers and hands 4. Uses fingers and whole-arm movements to manipulate and explore objects
9. Use thumb/forefinger in pincer grasp.	7. Demonstrates fine-motor strength and coordination 7a. Uses fingers and hands 4. Uses fingers and whole-arm movements to manipulate and explore objects
10. Use a variety of tools and materials to build grasp-and-release skill.	7. Demonstrates fine-motor strength and coordination 7b. Uses writing and drawing tools 4. Grips drawing and writing tools with whole hand but may use whole-arm movements to make marks
11. Build finger dexterity.	7. Demonstrates fine-motor strength and coordination 7a. Uses fingers and hands 6. Uses refined wrist and finger movements

12. Use eye-hand coordination, visual perception and tracking, and visual motor skills in play activities.	7. Demonstrates fine-motor strength and coordination 7a. Uses fingers and hands 6. Uses refined wrist and finger movements
13. Discuss nutritious meals and snacks and the difference between junk food and healthy food.	1. Regulates own emotions and behaviors 1c. Takes care of own needs appropriately 8. Takes responsibility for own well-being
14. Practice personal hygiene and safety measures.	1. Regulates own emotions and behaviors 1b. Follows limits and expectations 6. Manages classroom rules, routines, and transitions with occasional reminders
15. Discuss gender and growth in age-appropriate ways.	29. Demonstrates knowledge about self
Social & Emotional Health	
16. Recognize and describe or represent emotions such as happiness, surprise, anger, fear, sadness.	9. Uses language to express thoughts and needs 9a. Uses an expanding expressive vocabulary 6. Describes and tells the use of many familiar items
17. Talk about ways to solve or prevent problems and discuss situations that illustrate that actions have consequences.	11. Demonstrates positive approaches to learning 11c. Solves problems 5 emerging to 6. Solves problems without having to try every possibility
18. Talk about how people can be helpful/ hurtful to one another.	30. Shows basic understanding of people and how they live
19. Practice independence and self-help skills.	1. Regulates own emotions and behaviors 1c. Takes care of own needs appropriately 6. Demonstrates confidence in meeting own needs
20. Describe members of their family and discuss what parents do for their children to keep them safe and healthy.	29. Demonstrates knowledge about self

Safety & Health Care	
21. Discuss strategies to prevent injury and illness, control the spread of disease, and promote cleanliness.	1. Regulates own emotions and behaviors 1b. Follows limits and expectations 6. Manages classroom rules, routines, and transitions with occasional reminders
22. Talk about the common symptoms of illness and injury and what they should do when they hurt or don't feel well.	1. Regulates own emotions and behaviors 1b. Follows limits and expectations 6. Manages classroom rules, routines, and transitions with occasional reminders
23. Discuss tooth care and dental health including brushing, flossing, and healthy foods.	1. Regulates own emotions and behaviors 1b. Follows limits and expectations 6. Manages classroom rules, routines, and transitions with occasional reminders
24. Discuss rules for safety in a variety of settings including fire safety, weapons safety, bus safety, seat belt use, playground safety, as well as safety at home and in the community.	1. Regulates own emotions and behaviors 1b. Follows limits and expectations 6. Manages classroom rules, routines, and transitions with occasional reminders
25. Talk and listen to stories about safe, unsafe, and inappropriate touch and ways to protect themselves.	1. Regulates own emotions and behaviors 1b. Follows limits and expectations 6. Manages classroom rules, routines, and transitions with occasional reminders
26. Talk about what to do when someone gets hurt and the rules for universal precautions (do not touch body fluids; wash hands after touching body fluids).	1. Regulates own emotions and behaviors 1b. Follows limits and expectations 6. Manages classroom rules, routines, and transitions with occasional reminders
27. Identify and distinguish between substances that are safe to be taken by mouth.	1. Regulates own emotions and behaviors 1b. Follows limits and expectations 6. Manages classroom rules, routines, and transitions with occasional reminders

<p>28. Describe the purpose of medicines and how they can be used or misused, and what to do in an emergency.</p>	<p>1. Regulates own emotions and behaviors 1b. Follows limits and expectations 6. Manages classroom rules, routines, and transitions with occasional reminders</p>
<p>29. Talk about some basic ways they can keep their environment clean or take care of it.</p>	<p>27. Demonstrates knowledge of Earth’s environment</p>
<p>The Arts</p>	
<p>Movement & Dance</p>	
<p>1. Explore activities and vocabulary related to movement, balance, strength, and flexibility.</p>	<p>35. Explores dance and movement concepts</p>
<p>2. Respond to a variety of musical rhythms through body movement.</p>	<p>34. Explores musical concepts and expression 35. Explores dance and movement concepts</p>
<p>3. Participate in simple sequences of movements and dance to various kinds of music.</p>	<p>35. Explores dance and movement concepts</p>
<p>4. Express themselves freely through movement.</p>	<p>35. Explores dance and movement concepts</p>
<p>5. Use props to explore space and movement.</p>	<p>35. Explores dance and movement concepts</p>
<p>6. Act out ways that movement and dance can show feelings or convey meaning.</p>	<p>35. Explores dance and movement concepts</p>
<p>7. Develop audience skills by observing performances or artists at work in various aspects of the Arts.</p>	<p>35. Explores dance and movement concepts</p>

Music	
8. Sing a variety of songs within children’s vocal range, independently and with others.	34. Explores musical concepts and expression
9. Sing expressively.	34. Explores musical concepts and expression
10. Sing songs with repetitive phrases and rhythmic patterns.	34. Explores musical concepts and expression
11. Listen to various kinds of instrumental music and explore a variety of melody and rhythmic instruments.	34. Explores musical concepts and expression
12. Play instruments using different beats, tempos, dynamics, and interpretation.	34. Explores musical concepts and expression
13. Listen to, imitate, and improvise sounds, patterns, or songs.	34. Explores musical concepts and expression
Theatre Arts	
14. Listen to storytellers and watch puppet shows.	36. Explores drama through actions and language
15. Use dramatic play, costumes, and props to pretend to be someone else.	36. Explores drama through actions and language
16. Create characters through physical movement, gesture, sound, speech, and facial expressions.	36. Explores drama through actions and language
17. Create scenarios, props, and settings for dramatizations and dramatic play.	36. Explores drama through actions and language
Visual Arts	
18. Explore a variety of age-appropriate materials and media to create two-and three-dimensional artwork.	33. Explores the visual arts
19. Observe the safe and appropriate use and care of art materials.	33. Explores the visual arts
20. Explore and experiment with wet and dry media in a variety of colors including black and white.	33. Explores the visual arts
21. Explore how color can convey mood and emotion.	33. Explores the visual arts
22. Explore various types of lines in artwork and in nature.	33. Explores the visual arts
23. Experiment with the use of texture in artwork.	33. Explores the visual arts

24. Use basic shapes and forms of different sizes to create artwork.	33. Explores the visual arts
25. Explore concepts of pattern and symmetry in the environment and artwork.	33. Explores the visual arts
26. Create artwork from memory or imagination.	33. Explores the visual arts
27. Choose artwork for display in the classroom, school or community or for a personal book, class book or portfolio, and explain why they chose it.	33. Explores the visual arts