



MUSIC

Through active involvement in musical experiences students will be able to . . .

- Sing simple songs in groups and perform rhythmic movements in unison
- Sing partner songs and rounds and respond to the cues of a conductor
- Move to the rhythm of music
- Express ideas through song and movement
- Develop self-esteem and a cooperative spirit by working in group activities
- Explore opportunities to develop their individual creative spirit
- Develop critical and analytical thinking skills



PHYSICAL EDUCATION

Supervisor, Eileen DiBattista 781 393-2292

Through individual, group, and partner instruction students will be able to...

- Walk, run, hop, skip, gallop, slide, jump, and leap
- Twist, balance, tumble, and extend
- Change movement, directionality, high, low, straight, zig-zag, fast, and slow
- Catch and throw a ball from a partner 10-15 ft. away
- Kick a ball, stationary or rolling towards them, from 10-15ft.away
- Participate in low organizational games



HEALTH

Supervisor, Eileen DiBattista 781 393-2292

The essential learnings for health are integrated with other curriculum areas and are discussed at age appropriate levels. Themes include: personal health, nutrition and fitness, drugs alcohol and tobacco, mental health, interpersonal relationships, human growth and development, family life, disease prevention, safety, violence prevention, community and consumer health.



PUPIL SERVICES

Director, Kathy Medaglio 781 393-2229

The Medford Public Schools are committed to insure access to the general education curriculum for all students. The Office of Pupil Services consists of the support service departments of Special Education, Bilingual/Multicultural Education, Guidance and Title I.

TIPS FOR PARENTS

To create strong schools, the definition of the classroom must be expanded to include the family. The Medford Public Schools recognizes that parental support for their child's learning is an important component in optimizing student achievement. Here are some suggestions for supporting your child throughout the school year:

- Make your child's attendance at school a top priority. There are only 180 instructional days per school year; given the new district curriculum and rigorous state testing, it is critical that children be in school each day to be successful
- Consult frequently with your child's teacher about your child's progress and specific ways to help him/her with their work
- Work with the school to promote good study habits
- Develop good nutritional, rest and safety habits
- Take an active interest at home in you child's daily school activities
- Help your child select materials and ideas from home to contribute to class assignments
- Provide your child with a structure for studying that includes a schedule and location where he or she can quietly work on assignments
- Encourage your child to pursue individual interests and help him/her to link interests with schoolwork
- Assist your child with homework ensuring that the final product reflects his true understanding of the assignment
- Use family activity time to reinforce learning in school by visiting museums and libraries
- Keep current about district and state educational initiatives. Sources for educational information include channel 15 and the following websites:

Medford Public Schools

<http://www.medfordpublicschools.org>

Department of Education

<http://www.doe.mass.edu>



GRADE 1 ESSENTIAL LEARNINGS

This guide provides an overview of what a **first grade** student should know and be able to do in each subject area by the completion of the school year.

The Medford Public Schools is committed to providing all students with the academic and problem-solving skills essential for personal development, responsible citizenship and life-long learning. The districtwide curriculum goals for all grades preK-12 are as follows:

- To develop high standards and expectations for all students
- To incorporate a balanced core of critical, essential learning that reflects national standards and the state curriculum frameworks for each discipline
- To develop competency in communication, thinking, problem solving research and other critical skills
- To connect learning to relevant situations and experiences outside the school setting
- To measure student learning through multiple types of assessments including the MCAS
- To integrate the curriculum, wherever possible, across subjects and grade levels
- To effectively integrate technology into the curriculum
- To recognize and respect the different needs interests and talents of all students

For additional information on the curriculum, instructional and/or assessment program of the Medford Public Schools please contact the Office of Curriculum and Instruction at (781) 393-2364

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MATHEMATICS

Director, Carolyn Joy
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Through problem solving, reasoning, connections, communication, and representation, students will be able to...

NUMBER SENSE & OPERATIONS

- Name, model, write, compare, and order numbers to 999; identify place value and odd/even; skip count.
- Identify and model fractions (halves, thirds, fourths) as parts of wholes/groups.
- Identify coins and \$1 bills; find value of collection of coins.
- Know addition and subtraction facts through 10; model, create, and solve addition and subtraction problems.

PATTERNS, RELATIONS & ALGEBRA

- Identify, create, describe, and extend simple rhythmic, shape, size, number, color, and letter patterns; skip count by 2s, 5s, 10s .
- Construct and solve addition and subtraction sentences.

GEOMETRY

- Identify, draw, describe, and compare 2-D and 3-D shapes.

MEASUREMENT

- Identify parts of the day, week, and month; tell time to half hour.
- Measure objects and use appropriate measurement tools; make and use estimates.
- Compare and order objects by length and weight

DATA ANALYSIS, PROBABILITY, & STATISTICS

- Gather, organize, represent, and interpret data using tallies, charts, pictographs, and bar graphs.
- Decide most likely outcomes.



SCIENCE

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Earth Science:

- Recognize that living organisms are found on the earth's surface.
- Describe air as a mixture of gases and wind as moving air.
- Describe weather changes from day to day and over the seasons; identify factors that affect weather; describe how plants and animals adjust to seasonal weather changes.

Life Science:

- Differentiate between plants and animals; classify and group plants and animals by one characteristic; identify similar parts of different plants.
- Identify what plants and animals need to survive; identify ways their habitats provide for their basic needs.
- Describe animal interactions with the environment.

Physical Science:

- Classify solids and liquids by using the sense.
- Classify and sort objects that re attracted by and not attracted by magnets.
- Understand that matter can change (e.g. water as a vapor, liquid, or solid).

Engineering/Technology:

- Describe how a magnetic force makes objects move.
- Identify tools/machines used for specific purpose (e.g. magnetic compass).



ART

Students participating in the grade one art program will develop the ability to . . .

- Identify basic shapes and various properties of line
- Know the difference between artistic materials
- Describe the application of various techniques and processes
- Use various media to communicate ideas, experiences
- Use art materials and tools in a safe and responsible manner
- Understand the content of works of art
- Relate to the works of the great masters



ENGLISH

Director of Humanities,
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In addition to reading and writing daily, students will be able to...

- Use a variety of strategies to decode and comprehend text
- Use picture clues to comprehend text
- Apply phonics skills to read/understand words/text.
- Apply appropriate usage/grammar: sentence structure
- Apply appropriate capitalization - first word in sentence, names of people
- Apply appropriate punctuation: end punctuation
- Apply appropriate spelling: consonant sounds/blends
- Acquire and apply new vocabulary
- Practice writing/literacy elements daily: initial/end consonants, consonant blends, vowels
- Apply knowledge of revision skills
- Demonstrate ability to use oral language



TECHNOLOGY

Director, Richard Trotta 781 393-2279

Through group demonstration and individual practice the student will be able to...

- Demonstrate a primary degree of computer knowledge and literacy
- Properly handle and care for software and hardware
- Successfully run grade appropriate software programs



SOCIAL STUDIES

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Students will be able to...

- Discuss events with a basic understanding of chronology
- Identify and discuss basic needs for goods and services
- Identify the symbols, icons, and traditions of the United States
- Describe the life stories of notable individuals in United States History
- Identify and discuss the concepts of direction and basic geographic landforms