

GRADE LEVEL CONTENT EXPECTATIONS

4 PE

v.03.08

MOTOR SKILLS
AND MOVEMENT
PATTERNS

CONTENT
KNOWLEDGE

FITNESS AND
PHYSICAL
ACTIVITY

PERSONAL AND
SOCIAL
BEHAVIORS AND
VALUES

Welcome to Michigan's K-8 Grade Level Content Expectations

Movement is critical to all aspects of a child's growth and development. Physical education provides unique learning opportunities for students in kindergarten through grade 12 to acquire knowledge, skills, fitness, and attitudes to enhance their quality of life through physical activity.

Physical education is an integral component of the education process. Researchers have shown that students who participate in regular physical education will enjoy enhanced memory and learning, better concentration, and increased problem-solving abilities. Regular physical education encourages a positive attitude towards self and others, which is an important factor in creating a healthy learning environment.

Quality physical education programs provide the foundation for healthy, active lifestyles that support all learning and help ensure success in future pursuits. Statistics related to chronic disease, disability and death, health care costs, and quality of life issues clearly illustrate that there are severe problems associated with attending to the intellectual but not the physical being.

A physically educated person who participates in health-enhancing physical activity:

- demonstrates competence in selected motor skills.
- assesses, achieves, and maintains physical fitness.
- applies cognitive concepts in making wise lifestyle choices.
- exhibits appropriate personal/social character traits while participating in physical activity.

A comprehensive physical education curriculum should be based on the state's K-12 Physical Education Content Standards and Benchmarks.* It should be sequential and developmentally appropriate. Outcomes for each grade level should be identified and assessed.

Based on the Michigan State Board of Education Policy on Quality Physical Education, adopted September 25, 2003, a quality physical education program addresses three critical issues of curriculum, instruction and assessment, in conjunction with an opportunity to learn and should include the following:

Curriculum

- Is aligned with the Michigan K-12 Physical Education Content Standards and Benchmarks.
- Equips students with the knowledge, skills, and attitudes necessary for lifelong physical activity.
- Influences personal and social skill development.

Instruction and Assessment

- Is taught by a certified physical education teacher trained in best practice physical education methods.
- Aligns curriculum, instruction, and assessment.
- Engages students in curriculum choices that prepare them for a wide variety of lifetime activities.
- Keeps all students involved in purposeful activity for a majority of the class period.
- Builds students' confidence and competence in physical abilities.
- Includes students of all abilities and skill levels.

Opportunity to Learn

- Offers instructional periods totaling 150 minutes per week (elementary) and 225 minutes per week (middle and high schools).
- Has a teacher-to-student ratio consistent with those of other subject areas and/or classrooms.
- Provides facilities to implement the curriculum for the number of students served.
- Maintains and has enough functional equipment for each student to actively participate.
- Builds students' confidence and competence in physical abilities.
- Includes students of all abilities and skill levels.

*Physical education classes are not to be and should not be used as an arena for interscholastic practices. This is not only unethical, but also does not give credibility to the purposes and goals of the physical education curriculum.

Overview of the Content Expectations

The K-8 Physical Education Grade Level Content Expectations reflect best practices and current research in the teaching and learning of physical education. They build from the Michigan K-12 Physical Education Content Standards and Benchmarks (2007) and the State Board of Education's Policy on Quality Physical Education (2003). These content expectations represent a vision for a relevant physical education curriculum that addresses critical physical education knowledge, skills, fitness, and attitudes for successfully maintaining a physically-active lifestyle during a child's school years and beyond. They specify what a student should know and be able to do at the end of each grade.

Michigan Physical Education Content Standards (2007)

A physically educated person:

demonstrates competency in motor skills and movement patterns needed to perform a variety of physical activities. (M)

demonstrates understanding of movement concepts, principles, strategies, and tactics as they apply to learning and performance of physical activities. (K)

participates regularly in lifelong physical activity. (M)

achieves and maintains a health-enhancing level of physical fitness. (A)

exhibits responsible personal and social behavior that respects self and others in physical activity settings. (B)

values physical activity for health, enjoyment, challenge, self-expression, and/or social interaction. (B)

Please note that, while all the Content Standards are addressed in these K-8 Physical Education Grade Level Content Expectations as a whole, not all standards will be addressed in each strand.

Understanding the Organizational Structure

The expectations in this document are divided into strands with multiple domains within each, as shown on the next page. The skills and content addressed in these expectations will, in practice, be woven together into a coherent physical education curriculum. Beyond the physical education curriculum, students will use the skills and processes to support learning in all content areas.

To allow for ease in referencing expectations, each expectation has been coded with a strand, domain, grade level, and expectation number. For example, M.MC.01.01 indicates:

- M** - Motor Skills and Movement Patterns Strand
- MC** - Movement Concepts Domain
- 01** - First Grade Expectation
- 01** - First Expectation in the Grade-Level Motor Skills Domain

Strands			
Motor Skills and Movement Patterns (M)	Content Knowledge (K)	Fitness and Physical Activity (A)	Personal/Social Behaviors and Values (B)
Domains			
<ul style="list-style-type: none"> - Movement Concepts (MC) <ul style="list-style-type: none"> • Space Awareness • Effort • Relationships - Motor Skills (MS) <ul style="list-style-type: none"> • Non-Locomotor • Locomotor • Manipulative - Aquatics (AQ) - Outdoor Pursuits (OP) - Target Games (TG) - Invasion Games (IG) - Net/Wall Games (NG) - Striking/Fielding Games (SG) - Rhythmic Activities (RA) 	<ul style="list-style-type: none"> - Feedback (FB) - Movement Concepts (MC) <ul style="list-style-type: none"> • Space Awareness • Effort • Relationships - Motor Skills (MS) <ul style="list-style-type: none"> • Non-Locomotor • Locomotor • Manipulative - Aquatics (AQ) - Outdoor Pursuits (OP) - Target Games (TG) - Invasion Games (IG) - Net/Wall Games (NG) - Striking/Fielding Games (SG) - Rhythmic Activities (RA) - Participation Inside/Outside of Physical Education (PA) - Health-Related Fitness (HR) - Physical Activity and Nutrition (AN) - Personal/Social Behaviors (PS) - Regular Participation (RP) - Social Benefits (SB) - Individual Differences (ID) - Feelings (FE) 	<ul style="list-style-type: none"> - Participation During Physical Education (PE) - Participation Outside of Physical Education (PA) - Health-Related Fitness (HR) - Physical Activity and Nutrition (AN) 	<ul style="list-style-type: none"> - Feedback (FB) - Personal/Social Behaviors (PS) - Regular Participation (RP) - Social Benefits (SB) - Individual Differences (ID) - Feelings (FE)
It is the expectation that students utilize internal and external feedback to improve performance across all of the domain strands.			

MOTOR SKILLS AND MOVEMENT PATTERNS

Movement Concepts

Space Awareness

Students will...

M.MC.04.01 demonstrate all space awareness movement concepts for location (e.g., self-space and general space) with mature form of non-locomotor, locomotor, and selected manipulative skills (i.e., roll, underhand throw, overhand throw) in controlled settings.

M.MC.04.02 demonstrate all space awareness movement concepts for directions (i.e., up/down, forward/backward, right/left, and clockwise/counterclockwise) with mature form of selected fundamental motor skills in controlled settings.

M.MC.04.03 demonstrate all space awareness movement concepts for levels (i.e., low, medium, and high) with mature form of selected fundamental motor skills in controlled settings.

M.MC.04.04 demonstrate all space awareness movement concepts for pathways (i.e., straight, curved, and zigzag) with mature form of selected fundamental motor skills in controlled settings.

M.MC.04.05 demonstrate all space awareness movement concepts for extensions (i.e., large/small and far/near) with mature form of selected fundamental motor skills in controlled settings.

Effort

Students will...

M.MC.04.06 demonstrate all effort movement concepts for time (i.e., fast/slow and sudden/sustained) with mature form of selected fundamental motor skills in controlled settings.

M.MC.04.07 demonstrate all effort movement concepts for force (i.e., strong and light) with mature form of selected fundamental motor skills in controlled settings.

M.MC.04.08 demonstrate all effort movement concepts for flow (i.e., bound and free) with mature form of selected fundamental motor skills in controlled settings.

Relationships

Students will...

M.MC.04.09 demonstrate all relationship movement concepts of body parts (i.e., round, narrow, wide, twisted, symmetrical, and nonsymmetrical) with mature form of selected fundamental motor skills in controlled settings.

M.MC.04.10 demonstrate all relationship movement concepts of objects and/or people (i.e., over/under, on/off, near/far, in front/behind, along/through, meeting/parting, surrounding, around, and alongside) with mature form of selected fundamental motor skills in controlled settings.

M.MC.04.11 demonstrate all relationship movement concepts with people (i.e., leading/following, mirroring/matching, unison/contrast, solo, alone in mass, partners, groups, and between groups) with mature form of selected fundamental motor skills in controlled settings.

Motor Skills

Non-Locomotor

Students will...

M.MS.04.01 demonstrate selected elements of the mature form of non-locomotor skills of balancing, bending, stretching, rocking, rolling, curling, twisting, turning, pushing, pulling, swinging, swaying, transferring weight, jumping, and landing in controlled settings.

Locomotor

Students will...

M.MS.04.02 demonstrate selected elements of the mature form of locomotor skills of walk, run, leap, slide, gallop, hop, skip, flee, and dodge using movement concepts in controlled settings.

Manipulative

Students will...

M.MS.04.03 demonstrate selected elements of the mature form of the manipulative skills of roll, underhand throw, and overhand throw in controlled settings.

M.MS.04.04 demonstrate selected elements of the mature form of the manipulative skills of catch, kick, foot dribble, and strike with hand and short-handled implements in isolated settings.

M.MS.04.05 demonstrate selected elements of the mature form of the manipulative skills of chest pass, bounce pass, hand dribble, and volley (e.g., forearm pass) in isolated settings.

M.MS.04.06 perform a three-element movement sequence (e.g., simple rhythmic, aerobic, or tumbling activities) in isolated settings.

*Aquatics

Students will...

M.AQ.04.01 demonstrate selected elements of the basic aquatic skills of front float, back float, glide, and recovery in isolated settings.

M.AQ.04.02 demonstrate selected elements of safe water entry and exit, independently, by jumping or stepping from the side safely in isolated settings.

M.AQ.04.03 demonstrate above water arm recovery and rudimentary kick with face in the water, breathing to the side to swim 15 feet/5 yards in the water in isolated settings.

M.AQ.04.04 demonstrate locomotion, in a supine position, using above water arm recovery, with arms entering at or above shoulder level with continuous kick 15 feet/5 yards in the water in isolated settings.

M.AQ.04.06 demonstrate jumping or stepping from the side while wearing a life jacket and locomote to a position of safety in isolated settings.

*The Michigan Department of Education acknowledges that some schools do not have the facilities or community resources to meet all of the aquatics grade level content expectations, however, all water safety grade level content expectations should be met within all physical education programs whether or not pool facilities are available.

Outdoor Pursuits

Students will...

M.OP.04.01 demonstrate use of movement concepts in outdoor pursuits with self and equipment in isolated settings.

M.OP.04.02 demonstrate use of locomotor skills in outdoor pursuits with self and equipment (e.g., backpack) in isolated settings.

M.OP.04.03 demonstrate use of non-locomotor skills in outdoor pursuits with self and equipment in isolated settings.

M.OP.04.04 demonstrate ability to safely manipulate or use equipment in selected outdoor pursuits in isolated settings.

Target Games

Students will...

M.TG.04.01 demonstrate limited use of selected strategies for tactical problems, such as accuracy in distance and direction during modified, unopposed target games.

Invasion Games

Students will...

M.IG.04.01 demonstrate use of selected on-the-ball and off-the-ball tactical movements for maintaining possession (e.g., passing, receiving), penetration/attack (e.g., shooting, moving with the object), and starting/restarting play (e.g., kick-off, throw-ins) during modified invasion games (e.g., small-sided games, such as 2 vs. 2).

Net/Wall Games

Students will...

M.NG.04.01 demonstrate selected solutions to tactical problems, such as maintaining a rally and defending space (e.g., returning to base) during modified, cooperative net/wall games.

Striking/Fielding Games

Students will...

M.SG.04.01 demonstrate use of selected on-the-object tactical movements of infield base positions and off-the-object problems of defending space and defending bases during modified striking/fielding games (e.g., strike a stationary object without a catcher, 4 vs. 4).

Rhythmic Activities

Students will...

M.RA.04.01 demonstrate the reversal of rhythmic locomotor patterns and change of direction.

**CONTENT
KNOWLEDGE**

Feedback

Students will...

K.FB.04.01 use feedback from teachers and peers to improve motor skills and movement patterns, fitness, and physical activities in isolated settings.

Movement Concepts

Students will...

K.MC.04.12 apply knowledge of critical elements of all movement concepts while performing locomotor skills in isolated settings.

K.MC.04.13 apply knowledge of critical elements of all movement concepts while performing non-locomotor skills in isolated settings.

K.MC.04.14 apply knowledge of critical elements of all movement concepts while performing selected manipulative skills (e.g., roll, underhand throw, and overhand throw) in isolated settings.

Motor Skills

Non-Locomotor

Students will...

K.MS.04.01 apply limited critical elements of the following non-locomotor skills: balancing, bending, stretching, rocking, rolling, curling, twisting, turning, pushing, pulling, swinging, swaying, and landing in isolated settings.

Locomotor

Students will...

K.MS.04.02 apply knowledge of selected movement concepts while performing locomotor skills: walk, run, leap, jump, skip, hop, gallop, slide, chase, flee, and dodge in isolated settings.

Manipulative

Students will...

K.MS.04.03 apply knowledge of selected critical elements of movement concepts while performing the following manipulative skills: roll, underhand throw, and overhand throw in isolated settings.

K.MS.04.04 apply knowledge of selected critical elements of movement concepts while performing selected manipulative skills: catch, kick, foot dribble, strike with a short-handled implement and with the hand, chest pass, bounce pass, hand dribble, and volley in isolated settings.

*Aquatics

Students will...

K.AQ.04.01 describe the critical elements of selected aquatic skills: front float, back float, glide, and recovery.

K.AQ.04.02 describe critical elements of safe water entry and exit (e.g., ladder, jump, ramp, climbing, diving).

K.AQ.04.04 describe critical elements of basic aquatic safety rules (e.g., swim with a buddy, wear a life jacket, *Reach or Throw, Don't Go*, follow the rules, swim with supervision, boating safety, H.E.L.P., Huddle).

K.AQ.04.05 describe all critical elements of how to use a life jacket (e.g., proper fit, take on and off, secure clasps, when to use, how to put on when a boat is sinking).

K.AQ.04.06 describe all critical elements of how to use the knowledge of how to get help.

*The Michigan Department of Education acknowledges that some schools do not have the facilities or community resources to meet all of the aquatics grade level content expectations, however, all water safety grade level content expectations should be met within all physical education programs whether or not pool facilities are available.

Outdoor Pursuits

Students will...

K.OP.04.01 distinguish among the seven principles of Leave No Trace (PEAK version) in controlled settings.

K.OP.04.03 describe the function of clothing and equipment associated with selected outdoor pursuits.

K.OP.04.04 identify selected safety features of outdoor pursuits.

Target Games

Students will...

K.TG.04.01 identify selected tactical problems (e.g., accuracy in distance and direction) during modified, unopposed target games.

Invasion Games

Students will...

K.IG.04.01 identify selected elements of tactical problems for both on-the-ball and off-the-ball movements for maintaining possession (e.g., passing, receiving), penetration/attack (e.g., shooting, moving with the object), and starting/restarting play (e.g., kick-off, throw-ins) during modified invasion games (e.g., small-sided games, such as 2 vs. 2).

Net/Wall Games

Students will...

K.NG.04.01 identify selected tactical problems (e.g., maintaining a rally), setting up an attack (e.g., opening up to teammates), and defending space (e.g., returning to base) during modified, cooperative net/wall games.

Striking/Fielding Games

Students will...

K.SG.04.01 identify selected tactical problems such as on-the-object problems of infield base positions and off-the-object problems of defending space and defending bases during modified striking/fielding games (e.g., strike a stationary object without a catcher, 4 vs. 4).

Rhythmic Activities

Students will...

K.RA.04.01 create a repeating rhythmic sequence by combining a variety of mature movement skills.

Participation Inside/Outside of Physical Education

Students will...

K.PA.04.01 identify and participate in new physical activities.

Health-Related Fitness

Students will...

K.HR.04.02 understand the criterion-referenced cardiorespiratory health-related fitness standards for age and gender (e.g., PACER, Step Test, One-Mile Run, Walk Test, Handcycle Test).

K.HR.04.03 understand the criterion-referenced muscular strength and endurance health-related fitness standards for age and gender (e.g., Curl-up, Push-up, Pull-up, Modified Pull-up, Flexed Arm Hang).

K.HR.04.04 understand the criterion-referenced flexibility health-related fitness standards for age and gender (e.g., Backsaver Sit and Reach, Shoulder Stretch).

K.HR.04.05 understand the criterion-referenced body composition health-related fitness standards for age and gender (e.g., Skinfold Measurement, Body Mass Index, Hydrostatic Weighing).

Physical Activity and Nutrition

Students will...

K.AN.04.01 describe selected effects that physical activity and nutrition have on the body (e.g., food as fuel; helps build and maintain bones, muscles, and joints; reduces feelings of depression and anxiety; reduces risk of some chronic diseases; provides nutrients vital for health and maintenance of body; reduces the risk of low bone mass).

K.AN.04.02 understand the physiological indicators associated with moderate to vigorous physical activity (e.g., sweating, increased heart rate, increased respiration, palpating pulse) and adjust participation/effort in isolated settings.

K.AN.04.03 explain how supporting body weight, while participating in activities, improves physical fitness.

K.AN.04.04 explain how non-manipulative activities promote healthy joint flexibility.

Personal/Social Behaviors

Students will...

K.PS.04.01 describe key behaviors which exemplify each of the personal/social character traits of responsibility, best effort, cooperation, and compassion in controlled settings.

K.PS.04.02 describe key behaviors which exemplify each of the personal/social character traits of constructive competition, initiative, and leadership in controlled settings.

Regular Participation

Students will...

K.RP.04.01 identify positive feelings associated with regular participation in physical activities in isolated settings.

K.RP.04.02 understand the need to practice skills for which improvement is needed in isolated settings.

Social Benefits

Students will...

K.SB.04.01 identify benefits of social interaction as part of participation in physical activities in isolated settings.

Individual Differences

Students will...

K.ID.04.01 identify emotions related to how individuals feel while participating in physical activity in isolated settings.

K.ID.04.02 identify differences between idealized body images and elite performances portrayed by the media and personal characteristics and skills.

K.ID.04.03 choose to participate with students of varying skill and fitness levels in isolated settings.

Feelings

Students will...

K.FE.04.01 identify positive feelings associated with regular participation in physical activities.

**FITNESS AND
PHYSICAL
ACTIVITY**

**Participation During
Physical Education**

Students will...

A.PE.04.01 participate in physical activities that are moderate in intensity level (i.e., a minimum of 50% of class time sustaining a minimum of 60% of target heart rate) in physical education, including: locomotor activities, activities inclusive of manipulative skills, dodging, chasing, and fleeing activities, and modified games that include combinations of locomotor and manipulative skills.

**Participation Outside of
Physical Education**

Students will...

A.PA.04.01 participate in physical activities that are moderate in intensity level (i.e., a minimum of 60 minutes per day for 7 days a week while maintaining 60% of target heart rate) outside of physical education, including: locomotor activities, activities inclusive of manipulative skills, dodging, chasing, and fleeing activities, modified games that include combinations of locomotor and manipulative skills, and daily non-structured and minimally organized physical activities outside of physical education.

Health-Related Fitness

Students will...

A.HR.04.02 meet the criterion-referenced cardiorespiratory health-related fitness standards for age and gender (e.g., PACER, Step Test, One-Mile Run, Walk Test, Handcycle Test).

A.HR.04.03 meet the criterion-referenced muscular strength and endurance health-related fitness standards for age and gender (e.g., Curl-up, Push-up, Pull-up, Modified Pull-up, Flexed Arm Hang).

A.HR.04.04 meet the criterion-referenced flexibility health-related fitness standards for age and gender (e.g., Backsaver Sit and Reach, Shoulder Stretch).

A.HR.04.05 meet the criterion-referenced body composition health-related fitness standards for age and gender (e.g., Skinfold Measurement, Body Mass Index, Hydrostatic Weighing).

Physical Activity and Nutrition

Students will...

A.AN.04.01 describe selected effects that physical activity and nutrition have on the body (e.g., food as fuel; helps build and maintain bones, muscles, and joints; reduces feelings of depression and anxiety; reduces risk of some chronic diseases; provides nutrients vital for health and maintenance of body; reduces the risk of low bone mass).

A.AN.04.02 support body weight while participating in activities that improve physical fitness.

A.AN.04.03 participate in non-locomotor activities that promote healthy joint flexibility.

**PERSONAL/
SOCIAL
BEHAVIORS
AND VALUES**

A.AN.04.04 utilize physiological indicators associated with moderate to vigorous physical activity (e.g., sweating, increased heart rate, increased respiration, palpating pulse) to adjust participation/effort in isolated settings.

Feedback

Students will...

B.FB.04.01 use limited feedback from teachers and peers to improve motor skills and movement patterns, fitness, and physical activities in controlled settings.

Personal/Social Behaviors

Students will...

B.PS.04.01 exhibit selected behaviors with prompts which exemplify each of the personal/social character traits of responsibility, best effort, cooperation, and compassion.

B.PS.04.02 exhibit appropriate behaviors which exemplify each of the personal/social character traits of constructive competition, initiative, and leadership in controlled settings.

Regular Participation

Students will...

B.RP.04.01 identify positive feelings associated with regular participation in physical activities in isolated settings.

B.RP.04.02 choose to regularly practice skills for which improvement is needed in isolated settings.

Social Benefits

Students will...

B.SB.04.01 identify benefits of social interaction as part of participation in physical activities in isolated settings.

Individual Differences

Students will...

B.ID.04.01 participate with students of varying skill and fitness levels in isolated settings.

B.ID.04.02 identify differences between idealized body images and elite performances portrayed by the media and personal characteristics and skills in isolated settings.

Feelings

Students will...

B.FE.04.01 identify positive feelings associated with regular participation in physical activities in isolated settings.



Michigan State Board of Education

Kathleen N. Straus
President
Bloomfield Township

John C. Austin
Vice President
Ann Arbor

Carolyn L. Curtin
Secretary
Ewart

Marianne Yared McGuire
Treasurer
Detroit

Nancy Danhof
NASBE Delegate
East Lansing

Elizabeth W. Bauer
Member
Birmingham

Reginald M. Turner
Member
Detroit

Cassandra E. Ulbrich
Member
Rochester Hills

Gov. Jennifer M. Granholm
Ex Officio

Michael P. Flanagan
Chairman
*Superintendent of
Public Instruction
Ex Officio*

Carol Wolenberg
Deputy Superintendent

Mary Ann Chartrand
*Director
Grants Coordination
and School Support*

Acknowledgements

Academic Review

Debra S. Berkey, *Western Michigan University*

William Connor, *Northern Michigan University*

Doug Curry, *Wayne State University*

Maxine DeBruyn, *Hope College*

Roberta Faust, *Eastern Michigan University*

Nicki Flinn, *Owosso Public Schools*

Heidi Harris, *University of Michigan*

Thomas R. Johnson, *Albion College*

Joyce Krause, *Wayne State University*

Suzanna Rocco Dillon, *Wayne State University*

Bo Shen, *Wayne State University*

Ann-Catherine Sullivan, *Saginaw Valley State University*

Cheryl Teeters, *Northern Michigan University*

Amy Vertalka, *Owosso Public Schools*

Patricia Van Volkinburg, *University of Michigan*

Internal Review

Mary Ann Chartrand, *Michigan Department of Education*

Kyle Guerrant, *Michigan Department of Education*