TITLE OF UNIT: Fitness GRADES: 9-12

Fitness: Track and field, personal fitness, yoga, kick boxing, circuit training, weight training

DATE PRESENTED: _____DATE DUE: _____ LENGTH OF TIME: 22 days

OVERVIEW OF UNIT:

Physical fitness signifies the bodies ability to work efficiently and effectively during school hours and at leisure time. A physically fit person is someone who will remain healthy and live an active lifestyle. The most comprehensive approach to fitness education involves the use of concepts-based fitness education. The students will be involved in physical activity experiences that emphasizes both how and why physical fitness and wellness are important.

ESSENTIAL QUESTIONS

How can I maintain or improve my physical fitness?

STANDARDS: Physical Education

1.Students will demonstrate competency in many movement forms and proficiency in a few movement forms. 2.Students will apply movement concepts and principles to the learning and development of motor skills. 3.Students will understand the implications of and the benefits derived from involvement in physical activity.

4.Students will apply physical activity-related skills and concepts to maintain a physically active lifestyle and a health-enhancing level of physical fitness.

5.Students will demonstrate responsible personal and social behavior in physical activity settings. 6.Students will understand that internal and external environments influence physical activity.

PHYSICAL EDUCATION STANDARDS: See curriculum for specifics

1. Competency in many movements

- Competency 1.1.1 -1.1.2
- Warm-up and cool down 1.1.3
- Proficiency 1.2.1-1.2.2

2. Movement concepts and principles

- Skills, strategies and rules to specific activity/sport 2.1.3
- Critical elements/sport specific skills 2.2.1
- Movement skills, concepts, and principles 2.3.2

3. Benefits from physical activity

- benefits of warm-up and cool-down principles in a fitness plan 3.1.2
- Social benefits 3.3.1-3.3.2
- Cognitive benefits 3.4.1-3.4.3
- Physically active life style

4. Identifies and understand the components of physical fitness:

- Pre and post-test Fitnessgram[™] 4.1.1 -4.1.3
- Health-related physical fitness standards established by the Fitnessgram™ 4.2.1
- Scores for the healthy fitness zone 4.2.2
- personal test scores with the Fitnessgram[™] healthy fitness zone 4.3.1
- Personal strengths and weaknesses, 4.3.2
- Accumulated Fitnessgram[™] data, 4.3.3
- Post Fitnessgram[™] scores, 4.3.4
- Feedback from the post Fitnessgram[™] and personal goals 4.3.5 – 4.3.6
- Goal setting model, "SMARTY" 4.4.1
- Components of a fitness plan that includes the FITT principle 4.4.3
- Activities and fitness and health 4.5.1 4.5.3
- Warm-up principles in daily physical activity: 4.5.4

- Physical activity outside the physical ducation class setting 4.6.1
- Physical activities to improve skills and fitness in 4.6.2
- Factors that inhibit or encourage a physically active lifestyle, e.g. 4.7.1
- Personal strategies to maintain a physically active lifestyle 4.7.2
- Goal setting log 4.8.1
- Utilizes how various 4.9.1
- Monitors physical activity 4.9.2

5. Personal and social behavior

- Appropriate clothing and protective equipment 5.1.1
- Safety considerations 5.1.2
- Behaviors 5.1.3
- Safety protocol 5.1.4 -5.1.5
- Warm-up and cool-down 5.1.6 activities to prevent injuries.
 5.1.5
- Rules 5.2.1
- Proper, appropriate, and safe attire 5.2.1
- Communication 5.3.1
- Respect 5.3.2
- Decisions of game officials 5.3.3
- Conflicts in appropriate ways 5.4.1
- Conflict resolution process 5.4.2
- Working cooperatively 5.5.1
- Appropriate 5.6.1
- Prevent injuries 5.6.2
- Opportunities of participation 5.7.1
- Positive and negative verbal communication 5.7.2-57.3
- Cooperative and productive group processes 5.8.1
- Common goals 5.8.2

6. Internal and external environments

organizations in the community that offer physical activity programs
 6.6.1

Applied Learning Standards:

problem solving communication critical thinking research reflection/ evaluation

ENDURING	UNDERST	FANDING:
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	Understanding there is a correlation between physical activity and achieving team goals when competing or participating in games	
	or other sport activities.	
	Knowing and applying offensive and defensive strategies.	
	Knowing and applying the concept of teamwork.	
	Creating spatial awareness (on and off the ball movement).	
RIOR KNOWLEDGE:		
	Offensive and defensive strategies	
	Concept of teamwork	

STUDENT OBJECTIVES, SKILLS and/or NEW KNOWLEDGE:

1. Competency in many movements

- L.1.1 Understands that competency is sufficient ability to safely and knowledgeably participate in an activity; or the ability to perform and apply skills.
- 1.1.2 Fitness: track and field, personal fitness, yoga, kick boxing, circuit training, weight training
 - Skills
 - o track and field running, jumping, throwing
 - personal fitness/ weight training/ circuit training: proper use/technique of free weights, machine weight, and cardio vascular equipment, plyometrics and body weight, proper use of cardio vascular training equipment and weight machines
 - yoga, kick boxing: stretching, following a routine, mirroring instructor, controlled breathing, balance, flexibility
- 1.1.3 Applies warm-up and cool-down principles in a fitness plan:
 - warm-up
 - o low intensity activity, e.g. walking, jogging
 - o dynamic stretching, e.g. walking lunges, high knees (stretching with movement)
 - static stretching, e.g. triceps overhead stretch (stretching with no movement)
 - cool-down
 - o low intensity activity, e.g. walking, jogging
 - static stretching.

1.2.1 Understands that proficiency is

- adequate ability to engage in the activity in a meaningful way.
- active participation in increased complexity of movement forms to safely participate in an activity.
- adequate understanding of the rules of the activity.
- 1.2.2 Demonstrates **proficiency** (e.g., basic skills) in an increasing number of more complex versions of movement forms (e.g., individual, team, and recreational activities):
 - Fitness: track and field, personal fitness, yoga, kick boxing, circuit training, weight training
 - Skills
 - track and field running, jumping, throwing
 - personal fitness/ weight training/ circuit training: proper use/technique of free weights, machine
 weight, and cardio vascular equipment, plyometrics and body weight, proper use of cardio vascular
 training equipment and weight machines
 - yoga, kick boxing: stretching, following a routine, mirroring instructor, controlled breathing, balance, flexibility

2. Movement concepts and principles

- 2.1.1 Applies activity- specific knowledge to develop movement competence and proficiency.
- 2.1.3 Applies skills, strategies and rules to specific activity/sport
 - Fitness: track and field, personal fitness, yoga, kick boxing, circuit training, weight training
 - Skills
 - track and field running, jumping, throwing
 - personal fitness/ weight training/ circuit training: proper use/technique of free weights, machine
 weight, and cardio vascular equipment, plyometrics and body weight, proper use of cardio vascular
 training equipment and weight machines
 - yoga, kick boxing: stretching, following a routine, mirroring instructor, controlled breathing, balance, flexibility
- 2.2.1 Identifies and applies critical elements/sport specific skills to enable the development of movement competence or proficiency:
 - Fitness: track and field, personal fitness, yoga, kick boxing, circuit training, weight training

e.g. in training applying concepts of reps to weight ratio

2.3.1 Understands

- movement skills, e.g. striking skills tennis and volleyball serve; similarities and differences.
- concepts (understanding), e.g. transfer of similar concepts from skill to skill; similarities and differences.
- **principles (why)**, e.g. good performance is linked to process; similarities and differences between activities at a more complex level.
- 2.3.2 Transfers and use movement skills, concepts and principles in the following:
 - Fitness: track and field, personal fitness, yoga, kick boxing, circuit training, weight training
 - e.g. push-up on ground to push-up on with feet on stability ball

3. Benefits from physical activity

- 3.1.1 Identifies and analyzes the physical benefits of regular participation in physical activity (grades 9-10), e.g.
- 3.1.2 Understands the benefits of warm-up and cool-down principles in a fitness plan:
 - warm-up
 - o low intensity activity, e.g. walking, jogging
 - o dynamic stretching, e.g. walking lunges, high knees (stretching with movement)
 - o static stretching, e.g. triceps overhead stretch (stretching with no movement)
 - cool-down
 - o low intensity activity, e.g. walking, jogging
 - static stretching.
- 3.2.1. Analyzes, predicts, and evaluates the physical benefits of regular participation in physical activity(grades 11-12), e.g.
 - · health benefits
 - o improves bone strength
 - o improves muscular strength and endurance
 - o improves sleep patterns/quality
 - increases energy
 - o increases immune system function
 - o lowers blood pressure
 - reduces stress
 - o strengthens cardio-vascular system

disease prevention and health risks

- chronic illnesses
- o heart disease
- o high cholesterol
- hypertension/high blood pressure
- obesity
- osteoporosis
- respiratory diseases
- stroke
- o Type II diabetes

physiological changes

- o increase muscle mass
- o increases metabolism
- longevity
- o reduces body fat, controls weight
- o components of fitness target
- o muscular strength
- o muscular endurance
- flexibility
- o cardio vascular

4. Identifies and understand the components of physical fitness:

- 1.1.1 Identifies and understand the components of physical fitness:
 - cardiovascular endurance
 - flexibility
 - muscular strength and endurance

4.1.2 Participates in the **pre and post-test Fitnessgram**™ to assess

- cardiovascular endurance
- flexibility

- muscular strength and endurance
 - o www.fitnessgram.net
- 4.1.2 Participates in a $modified\ Fitnessgram^{tm}$ to assess if necessary .
 - www.fitnessgram.net
- 4.2.1 Meets health-related physical fitness standards established by the Fitnessgram™
 - Sit and reach
 - Curl-ups
 - Pacer
 - Shoulder stretch
 - Push-up
 - Pull-ups or flexed-arm hang
 - www.fitnessgram.net
- 4.2.2 Identifies the nationally recognized scores for the healthy fitness zone (established by the Fitnessgram™, data 2012
- 4.3.1 Compares personal test scores with the Fitnessgram™ healthy fitness zone
 - flexibility
 - cardiovascular endurance
 - muscular strength and endurance
 - www.fitnessgram.net
- 4.3.2 Analyzes **pre-Fitnessgram™**, **scores** (formative) and identifies personal strengths and weaknesses,
 - e.g. a 15 year old girl runs a mile in 12 minutes and 34 seconds:
 - o analyze and compare that time to the standard (8-10 minutes, 30 seconds)
 - identify and implement an exercise routine supported by the established decision-making rubric to set a goal to improve.
 - www.fitnessgram.net
- 4.3.3 Analyzes accumulated Fitnessgram™ data, synthesize information, and predict how the results are important to present and future health (grade 10)
 - www.fitnessgram.net
- 4.3.4 Compares and analyzes the **post Fitnessgram™ scores**, in relation to the **healthy fitness zone** and identifies personal strengths and weaknesses.
 - o <u>www.fitnessgram.net</u>
- 4.3.5 Analyzes and uses feedback from the **post Fitnessgram™** and personal goals to analyze social and emotional factors that contribute to his/her personal **Fitnessgram™** results. (grade 11)
- 4.3.6 Uses feedback from the post Fitnessgram™ and personal goals to maintain life-long healthy fitness. (grade 12)
 - www.fitnessgram.net
- 4.4.1 Knows and applies the **goal setting model**, "SMARTY" to develop personal fitness goals and create a detail plan. (grade 10)
 - <u>S</u> specific
 - M measurable
 - <u>A</u> attainable
 - R realistic
 - <u>T</u> timely
 - Y for you (individual)
- 4.4.2 Understands the components of a fitness plan that includes the FITT principle in conjunction with principles of exercise
 - <u>FITT Principle</u>
 - Frequency
 - Intensity
 - o Type
 - o Time
 - Principles of exercise
 - o specificity type of exercises that increases fitness in each of these five designated areas
 - cardiovascular endurance
 - muscular endurance
 - muscular strength

- flexibility
- body composition
- progression gradual increase in FITT
- overload providing a greater stress on the muscle group than it usually handles in order to increase fitness FITT
- sets group of repetitions
 - o frequency (amount of times exercising a particular muscle)
 - intensity (how hard and heavy)
 - o time (resting time between sets)
 - type (drop sets, super sets)
- repetition (reps) repeating a certain action a certain number of times
 - frequency (amount of times exercising a particular muscle)
 - o intensity (how hard and heavy)
 - o time (heavy 8-10, moderate 12-15, light 15-20)
 - o type (free weights, body weights, machine weights).
- o variety alternating exercises to meet common goals
- o www.fitnessgram.net
- 4.4.3 Uses Fitnessgram™ results to set and revise goals to improve fitness levels .
 - Analyze strengths and weaknesses
 - Analyze needs of improvement or maintaining
 - Design an action plan based on strengths and weaknesses or maintaining improvement for personal fitness levels and criteria of
- 4.5.1 Participates in a wide range of activities and is able to connect how the activity is related to his/her fitness and health
 - Fitness: track and field, personal fitness, yoga, kick boxing, circuit training, weight training
- 4.5.2 Understands how activities can affect fitness and health, e.g. laying basketball affects cardio-vascular endurance just as running the mile affects cardio-vascular fitness.
- 4.5.3 Selects a variety of activities that are personally appealing.
 - www.livestrong.com (overall wellness)
 - <u>www.pbs.org</u> (life fitness)
- 4.5.4 Understands and engages in warm-up principles in daily physical activity:
 - low intensity activity, e.g. walking, jogging
 - dynamic stretching, e.g. walking lunges, high knees (stretching with movement)
 - static stretching, e.g. triceps overhead stretch (stretching with no movement)
 - www.fitnessgram.net
 - www.pbs.org (life fitness)
- 4.6.1 Participates regularly in **health-enhancing and personally rewarding physical activity** outside the physical education class setting and documents data of activities.
 - www.livestrong.com (overall wellness)
 - www.pbs.org (life fitness)
- 4.6.2 Identifies and participates in physical activities to improve skills and fitness in
 - cardiovascular endurance
 - o walk, jog, run
 - o swim, water aerobics
 - o bike, spinning
 - aerobics, dance, step aerobics, zumba, cardio kick-boxing
 - o electronic guided fitness activities, e.g. Wii fit
 - muscular strength/muscular endurance
 - o push-ups
 - sit-ups
 - o resistance training
 - o machine weights, free weights, circuit training
 - martial arts
 - o surfing/skating boarding
 - flexibility
 - o yoga, Pilates
 - static stretching
 - dynamic stretching
 - o martial arts

- 4.7.1 Analyze factors that inhibit or encourage a physically active lifestyle, e.g.
 - encourage: friends and family role models, time management, confidence, cultural interests, environment, accessibility
 - inhibit: time constraints, financial considerations, motivation, accessibility, environment, illness, low energy, friends and family
- 4.7.2 Develop and apply personal strategies to adopt and maintain a physically active lifestyle
 - accessibility/transportation
 - affordable solutions
 - explaining positive and negative attitudes toward exercise
 - finding enjoyable activities
 - identifying obstacles and creating a plan to avoid them
 - participating in a variety of activities
 - rewarding success
 - scheduling time/time management
 - setting goals that are realistic
 - · working out with a buddy
- 4.8.1 Maintains a goal setting log (written or technology-based) to document U.S. Department of Health and Human Services* current recommendations for physical activity, e.g.
 - 1 hour or more a day of moderate or vigorous intensity aerobic physical activity every day
 - vigorous intensity activity at least 3 days per week
 - muscle and bone strengthening activity at least 3 days per week.
 - o <u>www.hrsa.gov</u> (health resources)
 - o www.befrienders.org
- 4.9.1 Utilizes how various technologies in and out of school that can help to assess, plan, maintain and enhance physical

activity level e.g.

- Nike Fuel Band
- Nike Trainer
- Run Keeper
- Kinects
- Fitbit
- · web-based programs (Fitnessgram)
- pedometers
- physical activity logs
- 4.9.2 Monitors physical activity and intensity levels using technology e.g.
 - physical activity log
 - o <u>www.myplate.gov</u>
 - o <u>www.heart.org</u> (American Heart Association)
 - o <u>www.mapmyfitness.com</u>

5. Personal and social behavior

- 5.1.1 Wears specific and appropriate clothing and protective equipment to participate in physical activity. (handbook)
- 5.1.2 Understands and applies safety considerations for all physical education activities:
 - proper attire
 - o sneakers and socks
 - o sweatshirt/sweatpants for outdoor activities (suggested)
 - rules of the game
 - proper use of equipment
- 5.1.3 Identifies and avoids actions or behaviors that endanger others, e.g.
 - bullying/ cyber bullying
 - inappropriate physical contact e.g.
 - o tackling in flag football
 - o tripping
 - o pushing/shoving
 - inappropriate use of equipment e.g.
 - swinging bats, sticks, rackets, clubs, bow and arrows

- 5.1.4 Describes safety protocol to avoid
 - blood-borne pathogens
 - · transmission of disease
 - inhaler usage/breathing emergencies
 - dehydration
 - hypo/hyperthermia during physical activity
 - inappropriate attire for weather conditions
 - injury.
- 5.1.5 Applies safety protocol in all physical activity settings, e.g.
 - weight room
 - gymnasium
 - locker room
 - turf fields
 - outdoor facilities
- 5.1.6 Selects and uses appropriate warm-up and cool-down activities to prevent injuries.
 - dynamic
 - static
- 5.2.1 Explains why and how rules make participation in physical activity safe, e.g.
 - Rules for specific sports, e.g.
 - hockey no checking
 - o flag football no tackling
 - proper attire and footwear
- 5.2.2 Understands and applies the criteria for **proper**, **appropriate**, and **safe attire** for physical activity:
 - Athletic shorts of appropriate length (following NSHS Handbook) or sweat pants
 - Jewelry (loose and dangling removed)
 - Sneakers (tied)
 - T-shirts or athletic jersey (following NSHS Handbook)
- 5.3.1 Communicates effectively with others to promote respect, tolerance, and conflict resolution in cooperative and competitive activities.
- 5.3.2 Shows **respect** for others in positive and negative game situations.
- 5.3.3 Accepts all decisions of game officials, e.g. teachers, students, and coaches (good sportsmanship).
- 5.4.1 Resolves conflicts in appropriate ways such as:
 - Proper communication
 - Walking away from a situation
 - Getting help
 - Talking to trusted adults
- 5.4.2 Applies a **conflict resolution process** when confronted with a behavior choice:
 - define the conflict
 - agree to solve the problem
 - exchange reasons for opinions
 - revise opinions
 - brainstorm solutions
 - determine the best solution.
- 5.5.1 Comprehends the benefits of **working cooperatively** in a group to achieve one main goal by:
 - Demonstrating positive behavior in both ccompetitive and cooperative settings.
 - Recognizing good sportsmanship from teammates and opponents.
 - Makes good decision-making based on the safety of self and others.
 - Demonstrates cooperation with peers and others through verbal and non-verbal behavior to achieve group goals.
 - Demonstrates tolerance and acceptance in competitive as well as cooperative settings.
- 5.6.1 Applies the appropriate use of the following in all physical activity settings to ensure safety:
 - appropriate equipment/clothing
 - field conditions and safety concerns

- good sportsmanship
- procedures and protocol
- proper etiquette
- rules and regulations
- 5.6.2 Recognizes how to prevent injuries e.g.
 - awareness of potential facility hazards
 - extreme weather conditions
 - hydration awareness
 - importance of warm-ups and cool downs
 - notify if injured
- 5.7.1 Understands that participating in physical activity provides opportunities to interact with a variety of peers and develop existing relationships.
 - o development and growth, taking control of life)
- 5.7.2 Differentiates between positive and negative verbal and non- verbal communication, e.g.
 - body language
 - gestures
 - expressions
 - words

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- 5.7.3 Demonstrates positive verbal and non-verbal communication, e.g.
 - body language
 - gestures
 - expressions
 - words
- 5.8.1 Identifies and appreciates the key elements of cooperative and productive group processes:
 - cooperation/collaboration
 - creativity/thoughtful
 - communication skills
 - o active
 - o reflective
 - positive risk taking
 - leadership/shared leadership
 - respect
 - trust
 - self-discipline
- 5.8.2 Demonstrates the following to achieve the common goal of the activity or sport:
 - communication
 - conflict resolution
 - cooperation
 - etiquette
 - group identity
 - positive interaction
 - rules and procedures
 - roles and relationships
 - safe practices
 - short and long-term goals
 - sportsmanship
 - teamwork

6. Internal and external environments

- $6.6.1 \quad \text{Identifies youth organizations in the community that offer physical activity programs} \\$
 - Home setting, e.g. Backyard, basement
 - Private and public facilities

ACTIVITIES, PRODUCTS, PERFORMANCE, and ASSESSMENTS: see curriculum introduction

- Activity logs
- Anecdotal records skill assessments
- Conferencing
- Exhibits
- Interviews
 - o Student to student
 - o Teacher to student
 - Student to third party
- Collaboration interpersonal
- Graphic organizers
- Journals
- Multiple Intelligences assessments, e.g.
 - Role playing bodily kinesthetic
- Oral presentations
- Problem/Performance based/common tasks

- Rubrics/checklists
- Tests and quizzes (pre and post)
- Technology
- Think-alouds
- Writing genres
 - o Arguments/ opinion
 - Informative

HIGHER ORDER THINKING SKILLS: Web's Depth of Knowledge 2 – 4 or Bloom's Taxonomy

Web's Depth of Knowledge

- skill/conceptual understanding
- strategic reasoning
- extended reasoning

Bloom's Taxonomy

- apply
- analyze
- synthesize/create
- evaluate

ADDITIONAL RESOURCES: see curriculum for specifics

- Clipboards
- DVDs
- Projector
- Ipad
- Stopwatches
- Sports equipment for:
 - Fitness, weight room equipment
- www.choosemyplate.gov
- www.fitness.gov
- www.cdc.gov
- www.fitnessgram.net
- www.pbs.org (life fitness
- www.pbis.org
- www.health.qld.gov

- www.essentiallifeskills.net
- www.crnhq.org (conflict resolution, conflict resolving communication in a culture of peace and social justice)
- www.essentiallifeskills.net (personal

VOCABULARY

- FITT
- Reps
- SetsWeights
- Circuit

- Scrimmage
- Shooting: Balance, elbows, eyes, follow through
- Stick handling
- Strategies

LESSON PLAN for SMALLER UNITS

LESSC	JNS	
	Lesson # 1 Summary:	
	Lesson #2 Summary:	
	Lesson #3 Summary:	
	Lesson # 4 Summary	
OBJECTIVES for LESSON #		
	Materials/Resources:	
	Procedures:	
	Lead –in	
	Step by step	
	• Closure	
	Instructional strategies: see curriculum introduction	
	Assessments: see curriculum introduction o Formative	
	o Summative	