COURSE	PHYSICAL EDUCATION		GRADE:	GR	ade 9 benchmark assessment for standard f
STATE STANDARD:	ARD: 10.4.9 PHYSICAL ACTIVITY		TIME FRAM	۸E:	
STANDARD STATEME	NΤ·	${\sf F}$ - Analyze and engage in physical activities that are developmentally/in	NDIVIDUALLY A	APPRC	PRIATE AND SUPPORT ACHIEVEMENT OF PERSONAL
STAILDARD STAILME	141.	FITNESS AND ACTIVITY GOALS.			

PERFORI O TEAL O TEAL O TEAL O DISI O TEAL O DISI O TEAL O DEAL O BRE O TASI	DER FACILITATES AND ENABLES GROUP. MINO/SITAGE 4 MI SA MORE STRATEGICALLY AWARE. MI HAS A SHARED VISION AND IS ABLE TO PERFORM WITH LITTLE OR NO REFERENCE OR PARTICIPATION FROM LEADER. MI HAS A HIGH DEGREE OF A JUNONOMY. AGREEMENTS FROM TEAM ARE RESOLVED IN A POSITIVE NATURE. MI WORKS TOWARDS THE GOAL. MI WEMBERS LOOK AFTER EACH OTHER. DER DELEGATES AND OVERSEES. MINIO/SITAGE 5 KALPP OF GROUP. K HAS BEEN SUCCESSFULLY COMPLETED AND HOPEFULLY EVERYONE IN JUP FEELS GOOD ABOUT WHAT HAS BEEN ACHIEVED.
ENRICHMENT:	
REMEDIATION:	
RESOURCES:	Pennsylvania Department of Education Standards Aligned Systems: Health and Physical Education Advanced Curriculum for Physical Education, High School, by Jane Panicucci (2003), Project Adventure, Inc. Quicksilver, by Karl Rohnke and Steve Butler, Project Adventure, Inc.

	FITNESS AND ACTIVITY GOALS.		
	OBJECTIVES/ESSENTIAL CONTENT	ASSESSMENT	LEARNING ACTIVITIES
UNIT OF INSTRUCTION: FITNESS	BINESS AND ACTIVITY GOALS. OBJECTIVES/ESSENTIAL CONTENT STANDARD STATEMENT A OBJECTIVES: THE STUDENTS WILL EXAMINE THEIR SUCCESSFULNESS OF PERSONAL FITNESS AND ACTIVITY GOALS. THE STUDENT WILL IMPLEMENT PERSONAL FITNESS AND ACTIVITY GOALS. ESSENTIAL CONTENT SUPPORTS ACHIEVEMENT OF PERSONAL FITNESS GOALS PHYSICAL, COGNITIVE, EMOTIONAL, AND SOCIAL GROWTH INFLUENCE INDIVIDUAL NEEDS AS A RESULT OF THE ACHIEVEMENT OF PERSONAL FITNESS GOALS REGULAR PHYSICAL ACTIVITY RELEASES ENDORPHINS, WHICH ENABLE PEOPLE TO ENJOY AND SUSTAIN COMMITMENT TO PERSONAL FITNESS GOALS STUDENTS PARTICIPATE IN ACTIVITIES THAT ARE DESIGNED TO HELP THEM UNDERSTAND AND VALUE THE IMPORTANCE OF PERSONAL FITNESS AND THE CONTRIBUTION THEY MAKE TO MAINTAIN A HEALTHY LIFESTYLE DEVELOPING PERSONAL GOALS WILL IMPROVE HITNESS SUPPORTS ACHIEVEMENT OF ACTIVITY GOALS PLANNING AHEAD OF TIME WHAT YOU EXPECT TO ACCOMPLISH AND HOW YOU WILL ACCOMPLISH IT. PARTICIPATING IN A VARIETY OF PHYSICAL ACTIVITY WILL DECREASE BOREDOM AND INCREASE ACHIEVEMENT OF ACTIVITY GOALS.	JOURNAL: STUDENTS ARE ASKED TO KEEP A JOURNAL FOR A PRESCRIBED PERIOD OF TIME SHOWING PARTICIPATION OF TIME, TYPE OF ACTIVITY SELECTED, AND RELATED FACTORS THAT IMPACT THE STUDENT'S ABILITY TO PARTICIPATE. FORMATIVE ASSESSMENT USING THE FITNESS GRAM TESTS RESULTS TO CREATE PERSONAL FITNESS GOALS (PRE-TEST). PORTFOLIO WILL BE USED TO SHOW PROGRESSION OF PERSONAL AND ACTIVITY GOALS OVER A PERIOD OF TIME. A CHART/GRAPH WILL BE INCLUDED IN THE PORTFOLIO TO ILLUSTRATE HOW ONE HAS INCREASED THEIR LEVEL OF FITNESS. INCLUDE THE SUMMARIZATION OF THE ATTAINMENT OF PERSONAL AND ACTIVITY GOALS. SUMMATIVE ASSESSMENT USING THE FITNESS GRAM, TEST RESULTS (POST-TEST). FORMATIVE ASSESSMENTS OF ACTIVITIES BEING PERFORMED (PRE-TEST).	• FITNESS GRAM • WEIGHTLIFTING • TRACK AND FIELD
D		 SUMMATIVE ASSESSMENTS OF ACTIVITIES BEING PERFORMED (POST-TESTS). LOG: MEASURING PROGRESSION OF ACTIVITY OVER A PERIOD OF TIME, KEEPING RECORDS OF GOAL ATTAINMENT, SETTING NEW GOALS IF NEEDED. 	

ENRICHMENT:	THE STUDENT WILL LOG THEIR PERSONAL WORKOUT DAILY, KEEPING TRACK OF NECESSARY UPDATES THAT NEED TO BE MADE FOR THE FOLLOWING WORKOUT.
REMEDIATION:	THE STUDENT WILL RE-EXAMINE THEIR PERSONAL FITNESS GOALS THAT NEED TO BE MET.
RESOURCES:	Pennsylvania Department of Education Standards Aligned Systems: Health and Physical Education Fitnessgram/Activitygram Test Administration Manual-4 th Edition, The cooper Institute (2007)

Achievement of Fitness and Activity Goals

My personal fitness a	and activity goals are	e as follows:	
1.			
2.			
3.			
4.			
Activities that may h	elp me obtain my act	tivity goals:	
1. 2.			
3.			
4.			
5.			
Date	Activity	Goals Met (indicate by number above)	Notes, comments, concerns.
The following goals l	nave been met at the	end of this unit:	
2.			
3.			
My thoughts and fee	lings relating to meet	ting my fitness and act	ivity goals:

lame	Date				
ART I		Previous			Current
Fitness test	Fitness component	fitness scores	Fitness standard	Personal goal	fitness scores
	Cardiorespiratory endurance				
	Abdominal strength and endurance				
	Flexibility				
	Upper-body strength and endurance				
ctivities that I	can do to help me mee respiratory fitness plan:	t my fitness go) Dals		
ctivities that I I. My cardic	202	t my fitness go	pals		
I. My cardice 2. My flexibi	respiratory fitness plan:				
2. My flexibi 3. My upper	respiratory fitness plan: lity fitness plan:	nd endurance f	itness plan:		

Looking at the results

- Congratulations! Highlight in yellow all test scores that meet the health standard. Keep up the good
- Circle in blue all scores that fall below the health standard. These are fitness areas that you need to
- Congratulations! Place a star next to each of your scores that either met or exceeded your personal goal for that test.

(continued)

FOR	M 6.1 Fitness Assessment (continued	1)
	nning ahead for health and fitness In proud of myself because this year during our	health-related physical fitness work I
47.		
Loc	rections: First, circle whether you need to mainly sk closely at your scores in relationship to the stack fitness area that you can do to maintain or	standards. Based on your scores, list two thing
ı	Cardiorespiratory (maintain / improve)	
2	2. Flexibility (maintain / improve)	
3		
2		
Ass info	sessment: Your work will be scored according mation to self-assess your work before you have a self-assess your work before you have a self-assess your work beyond!	g to the criteria in the following rubric. Use this and it in. Improvement is evident in at least two of the health-related fitness components. Each response is com-
		plete and correct. Artwork, specific examples, or details that support answers are included.
3	Good work, Everything is here!	Improvement is evident in at least two of the health- related fitness components. Each response is com- plete and correct.
2	Good attempt. Just a few things are missing. Would you like to try this one again?	Improvement is evident in at least one of the health- related fitness components. Most responses are com- plete and correct. One or two items may be missing or incorrect.
1	Let's be sure you understand. I recommend that you try this one again. See me for more explanation.	Improvement is not evident in any of the health- related fitness components. Few complete or correct answers are provided.

COURSE	Physic	al Education	GRADE:	Grade 9 benchmark assessment for standard e
STATE STANDARD:	10.4.9	Physical Activity	TIME FRAME:	
STANDARD STATEMENT:		F - ANALYZE FACTORS THAT IMPACT ON THE RELATIONSHIP RETWEEN REGULA	AR PARTICIPATI	ON IN PHYSICAL ACTIVITY AND MOTOR SKILL IMPROVEMENT

		OBJECTIVES/ESSENTIAL CONTENT	ASSESSMENT	LEARNING ACTIVITIES
UNIT OF INSTRUCTION: INVASION GAMES	ESSENTIAL COI PERSONAL (H M C W AUTHENTIC I	ETATEMENT E THE STUDENT WILL COMPARE AND CONTRAST FACTORS THAT IMPACT SKILL DURING REGULAR PARTICIPATION IN PHYSICAL ACTIVITIES. NTENT CHOICE AVING A CHOICE IN YOUR ACTIVITIES IS FOUND TO BE A STRONG IOTIVATOR IN ADHERING TO REGULAR ACTIVITY. CHOOSING LIFETIME ACTIVITIES WILL HELP YOU TO BE ACTIVE NOW AND WHEN YOU BECOME AN ADULT.	GRAPHIC CONCEPT MAPPING: THE STUDENTS WILL COMPARE AND CONTRAST THE FACTORS OF PERSONAL CHOICE AND AUTHENTIC PRACTICE AND THEIR EFFECT ON MOTOR SKILL IMPROVEMENT. JOURNAL: THE STUDENTS WILL KEEP A JOURNAL FOR A PERIOD OF TIME THAT REFLECTS HOW PERSONAL CHOICE AND AUTHENTIC PRACTICE POSITIVELY INFLUENCE SKILL IMPROVEMENT ESSAY TEST: THE STUDENTS WILL ANALYZE THEIR INVOLVEMENT IN PHYSICAL ACTIVITY, EXPLAINING HOW PERSONAL CHOICE AND AUTHENTIC PRACTICE AFFECTED THEIR SKILL IMPROVEMENT.	• FOOTBALL (R/P) • FLOOR HOCKEY (R) • SOCCER (R/P) • TOUCHKBALL (R) • ULTIMATE BALL (R) • TEAM HANDBALL (R) • SPEEDBALL (R) • LACROSSE (R) • FLICKERBALL (R) (*R - REINFORCE) (*P - PROFICIENT)
ENRIG	CHMENT:	THE STUDENT WILL ANALYZE FACTORS THAT IMPACT THE RELATIONSHIP BET DEVELOPMENT.	, IWEEN PARTICIPATING IN A REGULAR FITNESS ROUT	TINE AND IMPROVING MOTOR SKILL
REME	EDIATION:	THE STUDENT WILL IDENTIFY MOTOR SKILL MOVEMENTS THAT CAN BE IMPR		
RESO	OURCES:	Pennsylvania Department of Education Standards Aligned System	ms: Health and Physical Education	



Date: Grade: 9th

~Short Essay Exam~

- 1. Discuss the three developmental differences among adolescents and how those differences affect skill improvement.
- 2. What are some of the influences on developmental differences? Which of these differences are self-controlled or environmentally controlled?
- 3. Why is regular participation in physical activity important for motor skill improvements?
- 4. What does it mean to have personal choice of activity? Why is this concept so important when talking about motor skill improvement and enjoying life long activities?
- 5. What is authentic practice? Give examples of how you use authentic practice to improve your skills.



Name:

Teacher:

	COURSE:	COURSE: PHYSICAL EDUCATION		GRADE:	GRAI	Grade 9 benchmark assessment for standards b-e	
	STATE STANDARD:	10.5.9	Concepts, Principles and Strategies of Movement	TIME FRAM	\E:		
	STANDARD STATEMENT:		B - DESCRIBE AND APPLY CONCEPTS OF MOTOR SKILL DEVELOPMENT THAT IMPACT THE QUALITY OF INCREASINGLY COMPLEX MOVEMENTS.				
			E - ANALYZE AND APPLY SCIENTIFIC AND BIOMECHANICAL PRINCIPLES TO CO	MPLEX MOVE	MENTS.		

	OBJECTIVES/ESSENTIAL CONTENT	ASSESSMENT	LEARNING ACTIVITIES
	STANDARD STATEMENT B		
	OBJECTIVE: STUDENTS WILL PRODUCE CORRECT RESPONSE SELECTION IN DIFFERENT GAME LIKE MOVEMENT SITUATIONS.	GPAI: STUDENTS WILL BE ASSESSED ON HIS OR HER ABILITY TO RESPOND CORRECTLY	DANCE FITNESSGRAM
	ESSENTIAL CONTENT	DURING DIFFERENT GAME LIKE MOVEMENT SITUATIONS.	
	RESPONSE SELECTION DEFINED: REQUIRES ASSESSING A MOVEMENT SITUATION AND DECIDING HOW TO RESPOND.	CRITIQUE: STUDENTS WILL USE DATA COLLECTED FROM GPAI TO CRITIQUE THEIR ABILITY TO RESPOND TO STIMULI.	
FITNESS	 Assessing movement situations require: o knowing where to look o knowing what to look at o selecting critical cues and ignoring non critical cues 		
INSTRUCTION:	■ CORRECTLY DECIDING HOW TO PERFORM REQUIRES: O APPROPRIATE PERIMETER JUDGMENTS A EXAMPLES: ◇ DIRECTION ◇ DISTANCE ◇ HEIGHT ◇ POSITION OF OPPONENTS OR TEAMMATES.		
UNIT OF I	■ APPROPRIATE TIMING PROJECTION. O EXAMPLES: ARRIVAL OR OBJECT PERSON OR MUSICAL CUE		
	■ NOT ATTENDING TO TASK IRRELEVANT STIMULI FROM OPPONENTS. O EXAMPLES: A FAKES OR NOISES		

STATE STANDARD E

OBJECTIVE: STUDENTS WILL DIFFERENTIATE BETWEEN THE BIOMECHANICAL PRINCIPLES RELATED TO PHYSICAL ACTIVITIES.

ESSENTIAL CONTENT

- BIOMECHANICAL PRINCIPLES OF COMPLEX MOVEMENTS
 - FRICTIONAL RESISTANCE
 - O DEFINED: ANY FORCE THAT ACTS IN OPPOSITION TO THE MOVEMENT OF ONE SURFACE ON ANOTHER.
 - O THREE TYPES:
 - ▲ STATIC FRICTION THE EXISTS BETWEEN THE CONTACTING SURFACES OF TWO RESTING OBJECT.
 - ♦ EXAMPLE: FOOTBALL BLOCKER PUSHES A FOOTBALL
 SLED DURING PRACTICE.
 - ▲ SLIDING: FRICTION THAT CAUSES TO SLIDE AND RUB AGAINST ONE ANOTHER.
 - → EXAMPLE: SNOW CONDITIONS AFFECTING SKIERS (SNOW SHOEING).
 - ▲ ROLLING: FRICTION CAUSED BY A ROUND OBJECT. SUCH AS BALLS AND WHEELS THAT ROLL OVER A SUPPORTING OR CONTACTING SURFACE.
 - ♦ EXAMPLE: A SOCCER BALL ROLLING OVER A WET FIELD VS. A DRY FIELD.
- EQUILIBRIUM
 - O DEFINED: A STATE IN WHICH THERE IS NO CHANGE IN THE MOTION OF THE BODY OR OBJECT.
 - ▲ AN OBJECT AT REST IS IN ASTATE OF STATIC EQUILIBRIUM.
 - AN OBJECT MOVING AT A CONSTANT VELOCITY IN A STRAIGHT LINE IS IN ASTATE OF DYNAMIC EQUILIBRIUM.
- MOVING SEGMENTS
 - O DEFINED: THE GREATER THE FORCE REQUIREMENTS OF THE MOTOR SKILL, THE LARGER THE NUMBER OF BODY SEGMENTS THAT ARE LIKELY TO BE INVOLVED.
 - ▲ INCREASING THE NUMBER OF MOVING SEGMENTS INCREASES THE AMOUNT OF BODY MASS AND FORCE PRODUCTION.
 - THE MORE SEGMENTS THAT ARE INVOLVED, THE LONGER THE POTENTIAL RADIUS OF ROTATION BETWEEN THE MAJOR JOINT CENTER OF ROTATION AND THE POINT OF FORCE APPLICATION.

- GRAPHIC DESIGNER: STUDENTS WILL CHART THE SIMILARITIES AND DIFFERENCES OF A VARIETY OF EXERCISE ACTIVITIES THAT USE ALL OF THE BIOMECHANICAL PRINCIPLES.
- WRITTEN TEST: STUDENTS WILL BE TESTED ON CONCEPTS RELATED TO BIOMECHANICAL PRINCIPLES USED IN PHYSICAL EDUCATION.
- NET/WALL GAMES
- INVASION GAMES
- TARGET GAMES
- DANCE
- WEIGHT LIFTING
- TRACK & FIELD

ENRICHMENT:	STUDENT WILL TAKE A BIOMECHANICAL PRINCIPAL AND VIDEOTAPE A SPORTING EVENT TO DISCUSS THE COMPLEX MOVEMENTS WITH CLASS.
REMEDIATION:	STUDENT WILL LIST COMMON BIOMECHANICAL PRINCIPLES USED IN SEVERAL DIFFERENT ACTIVITIES.
RESOURCES:	Pennsylvania Department of Education Binder Resource Fitnessgram/Activitygram Test Administration Manual-4 th Edition, The cooper Institute (2007)

FORM 12.1 Planning on Fitness—Thinking About Skill-Related Fitness

Name					Date
Dire provi		te the following	statements a	bout skill-related fit	ness by using the words
ı.	Α	movem	ent is smooth a	and efficient with little	wasted motion.
2.		is able to change		ly when moving at to	o speed, we say that he or
3.	Moving from one	place to another	in the shortest	time possible requires	s great,
4.	In a powerful mo	vement, a person	uses strong	in one	explosive act.
5.		_ balance require	s a person to r	naintain equilibrium w	hile still.
6.	Dynamic involves maintaining equilibrium while moving.				
7.	The		is a m	novement that require	s power.
8.	must be agile.				quickly, you
9.	A juggler must ha	ve high levels of _		to keep	all those balls in the air.
10.		related fitnes	ss components.		
	coordinated	speed	static	direction	agility
	force	balance	skill	coordination	standing broad jump
Scor			divi	ded by the number c	of possible answers
equa	ls the percentage	of correct answ	ers,	100	ari

From

FORM 10.2 Force It—Mechanics Check

Performer's Name	Assessor's Name
SKILL—THROWING	
Directions: Watch your classmate perform the skill her performing consistently.	and check the skill cues that you see him or
I. Always begins by standing side to the target	
2. Gets ready to throw by bringing the ball down	and back in a curved pathway
3. Steps forward with a twisting motion on the o	pposite foot
4. Follows through to complete the motion	

From Physical

Education Assessment Toolkit by Liz Giles-Brown, 2006, Champaign, IL: Human Kinetics.

FORM 10.2 Force It—Mechanics Check

Performer's Name	Assessor's Name
SKILL—THROWING	
Directions: Watch your classmate perhamment her performing consistently.	erform the skill and check the skill cues that you see him or
I. Always begins by standing side	to the target
2. Gets ready to throw by bringir	ng the ball down and back in a curved pathway
3. Steps forward with a twisting r	notion on the opposite foot
4. Follows through to complete t	he motion

From Physical Education Assessment Toolkit by Liz Giles-Brown, 2006, Champaign, IL: Human Kinetics.

	COURSE:	Physical Education		GRADE:	GRA	de 9 benchmark assessment for standards b-e-f
	STATE STANDARD:	10.5.9	Concepts, Principles and Strategies of Movement	TIME FRAM	۸E:	
STANDARD STATEMENT:		T.	B - Describe and apply concepts of motor skill development that impa	CT THE QUALIT	TY OF IN	ICREASINGLY COMPLEX MOVEMENTS.
		1.	E - Analyze and apply scientific and biomechanical principles to complex movements.			
F - DESCRIBE AND APPLY GAME STRATEGIES TO COMPLEX GAMES AND PHYSIC			ACTIVITIES			

STANDARD STATEMENT B		LEARNING ACTIVITIES
OBJECTIVE: STUDENTS WILL PRODUCE CORRECT RESPONSE SELECTION IN DIFFERENT GAME LIKE MOVEMENT SITUATIONS. ESSENTIAL CONTENT • RESPONSE SELECTION • DEFINED: REQUIRES ASSESSING A MOVEMENT SITUATION AND DECIDING HOW TO RESPOND. • ASSESSING MOVEMENT SITUATIONS REQUIRE: • O KNOWING WHERE TO LOOK • O KNOWING WHERE TO LOOK AT • O SELECTING CRITICAL CUES AND IGNORING NON CRITICAL CUES • CORRECTLY DECIDING HOW TO PERFORM REQUIRES: • O APPROPRIATE PERIMETER JUDGMENTS • EXAMPLES: • DISTANCE • HEIGHT • POSITION OF OPPONENTS OR TEAMMATES. • APPROPRIATE TIMING PROJECTION. • EXAMPLES: • ARRIVAL OR OBJECT • PERSON OR MUSICAL CUE • NOT ATTENDING TO TASK IRRELEVANT STIMULI FROM OPPONENTS. • EXAMPLES: • FAKES OR NOISES	GPAI: STUDENTS WILL BE ASSESSED ON THE ABILITY TO RESPOND CORRECTLY DURING DIFFERENT GAME LIKE MOVEMENT SITUATIONS. CRITIQUE: STUDENTS WILL USE DATA COLLECTED FROM GPAI TO CRITIQUE THEIR ABILITY TO RESPOND TO STIMULI.	NETWALL VOLLEYBALL PICKLEBALL BADMITON TABLE TENNIS INVASION BASKETBALL FOOTBALL FOOTBALL FLOOR HOCKEY TCHOUKBALL ULTIMATEBALL SPEEDBALL SPEEDBALL STRIKING AND FIELDING WIFFLEBALL SOFTBALL WIFFLEBALL (R) TRAM HANDBALL R) STRIKING AND FIELDING WIFFLEBALL SOFTBALL (R) SOFTBALL (R)

STATE STANDARD E

OBJECTIVE: STUDENTS WILL DIFFERENTIATE THE BIOMECHANICAL PRINCIPLES RELATED TO PHYSICAL ACTIVITIES.

ESSENTIAL CONTENT

- BIOMECHANICAL PRINCIPLES OF COMPLEX MOVEMENTS.
 - FRICTIONAL RESISTANCE
 - O DEFINED: ANY FORCE THAT ACTS IN OPPOSITION TO THE MOVEMENT OF ONE SURFACE ON ANOTHER.
 - O THREE TYPES:
 - ▲ STATIC FRICTION THE EXISTS BETWEEN THE CONTACTING SURFACES OF TWO RESTING OBJECT.
 - ♦ EXAMPLE: FOOTBALL BLOCKER PUSHES A FOOTBALL SLED DURING PRACTICE.
 - ▲ SLIDING: FRICTION THAT CAUSES TO SLIDE AND RUB AGAINST ONE ANOTHER.
 - ♦ EXAMPLE: SNOW CONDITIONS AFFECTING SKIERS (SNOW SHOEING).
 - ▲ ROLLING: FRICTION CAUSED BY A ROUND OBJECT. SUCH AS BALLS AND WHEELS THAT ROLL OVER A SUPPORTING OR CONTACTING SURFACE.
 - ♦ EXAMPLE: A SOCCER BALL ROLLING OVER A WET FIELD VS. A DRY FIELD.
- EQUILIBRIUM
 - DEFINED: A STATE IN WHICH THERE IS NO CHANGE IN THE MOTION OF THE BODY OR OBJECT.
 - ▲ AN OBJECT AT REST IS IN ASTATE OF STATIC EQUILIBRIUM.
 - ▲ AN OBJECT MOVING AT A CONSTANT VELOCITY IN A STRAIGHT LINE IS IN ASTATE OF DYNAMIC EQUILIBRIUM.
- MOVING SEGMENTS
 - DEFINED: THE GREATER THE FORCE REQUIREMENTS OF THE MOTOR SKILL. THE LARGER THE NUMBER OF BODY SEGMENTS THAT ARE LIKELY TO BE INVOLVED.
 - ▲ INCREASING THE NUMBER OF MOVING SEGMENTS INCREASES THE AMOUNT OF BODY MASS AND FORCE PRODUCTION.
 - ▲ THE MORE SEGMENTS THAT ARE INVOLVED, THE LONGER THE POTENTIAL RADIUS OF ROTATION BETWEEN THE MAJOR JOINT CENTER OF ROTATION AND THE POINT OF FORCE APPLICATION.

- GRAPHIC DESIGNER: STUDENTS WILL CHART THE COMPARISON AND DIFFERENCES OF A VARIETY OF EXERCISE ACTIVITIES THAT USE ALL OF THE BIOMECHANICAL PRINCIPLES.
- WRITTEN TEST: STUDENTS WILL BE TESTED ON CONCEPTS RELATED TO BIOMECHANICAL PRINCIPLES USED IN PHYSICAL EDUCATION.
- NETWALL
 - VOLLEYBALL (R)
 - (R) ■ PICKLEBALL
 - (R) BADMITON
 - TABLE TENNIS
- INVASION
 - BASKETBALL (R/P)
 - SOCCER (R/P)
 - FOOTBALL (R/P)
 - FLOOR HOCKEY (R)
 - TCHOUKBALL (R)

 - ULTIMATEBALL (R)
 - TEAM HANDBALL (R) (R)
 - SPEEDBALL
- FLICKERBALL (R) • STRIKING AND FIELDING
 - WIFFLEBALL (P)
- SOFTBALL (R)
- TARGET GAMES
 - GOLF (R)
- FRISBEE GOLF (R)

(*R - REINFORCE)

(*I - INTRODUCE)

(*P - PROFICIENT)

STANDARD STATEMENT F

OBJECTIVE: THE STUDENT WILL BE ABLE TO APPLY GAME STRATEGIES DURING PHYSICAL ACTIVITIES.

OBJECTIVE: THE STUDENT WILL OUTLINE GAME STRATEGIES USED IN COMPLEX GAMES AND PHYSICAL ACTIVITIES.

ESSENTIAL CONTENT

- OFFENSIVE STRATEGIES
 - OFFENSIVE STRATEGIES ARE TO:
 - O SCORE POINTS OR MAKE GOAL
 - O RETAIN POSSESSION
 - O MAKE ADVANCEMENTS
 - COMMON OFFENSIVE STRATEGIES:
 - O REVIEW BASICS:
 - ▲ GIVE AND GO
 - ▲ ONE ON ONE
 - ▲ PEER COMMUNICATION
 - O DEVELOPING PLAYS/PASS PATTERNS
 - O SPACING BETWEEN PLAYERS
 - O FAST BREAK: STRIKING QUICKLY IN THE HOPE OF CATCHING OPPONENT FLAT FOOTED.
 - O ZONE OFFENSE: STAY IN ONE AREA TO RECEIVE A BALL.
 - BASKETBALL STRATEGIES
 - O SIMPLE SCREEN: ESTABLISH YOUR POSITION ON THE FLOOR SO THAT IT LIMITS WHERE A DEFENDER CAN MOVE, THUS MOMENTARILY FREEING A TEAMMATE.
 - O PICK AND ROLL: SET A SCREEN FOR YOUR TEAMMATE WHO HAD THE BALL, AFTER YOUR TEAMMATE DRIVES "ROLL" OFF THE SCREEN IN THE OPPOSITE DIRECTION OF YOUR TEAMMATE.
 - O GIVE AND GO: PASS THE BALL AND MAKE A CUT
 - O PASS AND GO BEHIND: PASS THE BALL AND GO BEHIND THE PLAYER THAT RECEIVED THE PASS FOR A POSSIBLE HANDOFF.
 - O SCREEN AWAY (OFF BALL SCREEN): SET A SCREEN FOR A PLAYER WHO DOES NOT HAVE THE BALL SO THEY CAN "POP OUT" TO RECEIVE A PASS, CREATING AN OPEN SHOT.
 - O BACK DOOR CUT: MAKE A CUT TO THE BASKET BEHIND THE DEFENSE.
 - O LOW POST: PASS THE BALL ONTO A PLAYER IN THE LOW POST SO THEY CAN TAKE ADVANTAGE OF A MISMATCH IN SIZE OR SPEED OF THEIR DEFENDER. OFTEN AN EXTRA DEFENDER WILL, "HELPOUT" BY DOUBLE TEAMING A LOW POST PLAYER, THUS CREATING AN OPEN PERSON TO RECEIVE A PASS.

- GPAI: THE TEACHER WILL USE THIS
 GRADING TOOL TO ASSESS THE STUDENTS
 ON HIS OR HER ABILITY TO USE GAME
 STRATEGIES WHILE PLAYING COMPLEX
 GAMES AND PHYSICAL ACTIVITIES.
- ESSAY QUESTIONS: THE STUDENTS WILL
 ANSWER ESSAY QUESTIONS BASED ON HOW
 DIFFERENT GAME STRATEGIES MAY BE USED
 IN COMPLEX GAMES AND VARIOUS
 PHYSICAL ACTIVITIES AND APPLY THOSE
 STRATEGIES TO HOW HE OR SHE
 PERSONALLY USED THESE STRATEGIES
 DURING GAME PLAY.

- NET/WALL
- INVASION
- STRIKING/FIELDING

BADMINTON STRATEGIES

- O KEEP THE SHOTS DEEP AND WAIT FOR YOUR OPPONENT TO MAKE A MISTAKE AND GIVE YOU AN OPPORTUNITY TO SMASH
- O YO-YO ALTERNATE DROP AND CLEAR SHOTS TO FORCE YOUR OPPONENT TO MOVE AND KEEP THEM OFF BALANCE
- O PLAY TO YOUR OPPONENTS WEAK SIDE (USUALLY THE BACKHAND SIDE)

FLOOR HOCKEY

- O DUMP AND CHAS: PUCK IS THROWN IN OPPOSITION'S ZONE AND CHASED BY ONE OR TWO OFFENSIVE PLAYERS. THIS IS AN EASY WAY TO PENETRATE THE OPPOSING TEAM'S ZONE WITHOUT LOSING CONTROL OF THE PUCK. THE KEY TO SUCCESS IS THE ABILITY OF THE CHASERS TO GET TO THE PUCK BEFORE THE DEFENSE.
- O PASS TO AN OPEN PLAYER: OFFENSIVE TEAM ATTEMPTING TO MOVE THE PUCK OUT OF THEIROWN ZONE MUST PASS THE PUCK TO A TEAMMATE. THE PASSER MUST PUT THE PUCK ON THE BLADE OF THE STICK OF THE RECEIVER. THE RECEIVER MUST MOVE TO AN OPEN AREA TO RECEIVE THE PASS. THE PASSER ANTICIPATES THE RECEIVER MOVING TO THE OPEN AREA.
- O CLEAR SHOTS ON GOAL: PLAYER SHOOTING PUCK HAS NOTHING BETWEEN THEMSELVES AND THE GOALTENDER. THE SHOOTER CAN CHOOSE ANY SHOT THEY WISH IN ORDER TO SCORE A GOAL.
- O SCREEN GOALIE: OFFENSIVE PLAYERS WILL PURPOSELY POSITION THEMSELVES IN FRONT OF THE GOALTENDER, BLOCKING THE GOALTENDERS VISION OF THE PUCK BEING SHOT BY AN OFFENSIVE TEAMMATE.
- O PENETRATE ON SIDES AND PASS TO CENTER: PUCK IS CARRIED BY OFFENSIVE PLAYER ALONG THE SIDE INTO THE OPPOSITION'S ZONE. PUCK IS PASSED TO THE MIDDLE TO OPEN SHOOTER.

FOOTBALL

- RUN OR PASS: BASED ON DOWN, DISTANCE OR THE OTHER TEAM'S EXPECTAT
- O FORMATIONS: CREATE DECEPTION BY VARYING THE LOOK OF YOUR OFFENSIVE SET IONS.
- O READ AND REACT:
 - AGAINST MAN TO MAN DEFENSE- FIND "MISMATCHES" (SLOWER PLAYERS TRYING TO COVER FASTER PLAYERS) OR RUN PATTERNS THAT "SCREEN" DEFENDERS OFF ANOTHER OFFENSIVE PLAYER.
 - AGAINST A ZONE DEFENSE- FLOOD A ZONE ATTEMPTING TO FORCE ONE DEFENDER TO COVER MORE THAN ONE RECEIVER OR CREATING AN OPEN SPACE WHEN ANOTHER DEFENDER IS FORCED TO "HELP OUT" IN THE FLOODED ZONE.

LACROSSE

- SPACING: PLAYERS SHOULD NOT "CROWD" THE BALL, SPREADING OUT WILL CREATE LANES TO DRIVE TO THE GOAL AND/OR OPEN PLAYERS TO RECEIVE PASSES
- O CUTTING: PLAYERS SHOULD MOVE WHEN THEY DO NOT HAVE THE BALL TO "SHAKE" THEIR DEFENDER AND PUT THEMSELVES IN A POSITION TO RECEIVE THE PASS AND SHOOT.
- O MIRRORING: AS ONE TEAMMATE DRIVES, ANOTHER TEAMMATE "MIRRORS" THE DRIVE BEHIND THE GOAL IN ORDER TO COLLECT A SHOT WIDE OF THE GOAL

PICKLEBALL

- O HIT TO OPPONENTS WEAK SIDE
- O HIT LONG AND SHORT INTO OPPONENT'S COURT-MOVE PERSON UP THEN BACK.
- O HIT DIRECTLY INTO THE OPPONENTS BODY.
- O APPLY SPIN TO THE BALL.

■ TEAM HANDBALL

- O OFFENSIVE POSITIONING (4-2): TWO BACKCOURT
- PLAYERS POSITION THEMSELVES ABOUT 40 FEET FROM
- O THE GOAL, WHILE THE REMAINING PLAYERS SPREAD
- O OUT AROUND THE PENALTY LINE (9 METER LINE)
 - ▲ THIS "4-2" SET ALLOWS THE OFFENSE TO SPREAD OUT THE ZONE DEFENSE.
 - → THIS ALSO ALLOWS A VARIETY OF MANEUVERS (PICKS) TO CREATE SCORING OPPORTUNITIES.

TENNIS

- O PLACE THE BALL DEEP IN COURT
- O HIT TO OPPONENTS WEAKER SIDE
- O MOVE TO NET FOLLOWING A STRONG SHOT
- O RETURN THE BALL LOW OVER THE NET

VOLLEYBALL

- O 4-2 OFFENSE- FOUR HITTERS WITH TWO SETTERS COMING FROM THE FRONT ROW.
- O OFFENSE- EVERYBODY HITS WITH TWO SETTERS OPPOSITE EACH OTHER COMING FROM THE BACK ROW.
- O 5-1 OFFENSE- FIVE HITTERS WITH ONE FULL TIME SETTER.

• DEFENSIVE STRATEGIES

- DEFENSIVE GAME STRATEGIES ARE TO:
 - O TRY TO STOP OR PREVENT THE OPPOSING TEAM FROM GETTING POINTS OR GOALS.
 - O REGAIN POSSESSION
 - O PREVENT ADVANCEMENT BY OFFENSIVE PLAYERS
- IN ORDER TO REGAIN POSSESSION PLAYERS:
 - O STAY COMPACT TO DEFEND THEIR AREA AND SPACE
 - O TRY TO INTERCEPT WHEN POSSIBLE SO WE CAN REGAIN POSSESSION AND ATTACK.
- BASKETBALL (REVIEW PREVIOUSLY COVERED IN ELEMENTARY)
 - o ZONE
 - ▲ EACH PLAYER GUARDS AN AREA OF THE COURT
 - ♣ PLAYERS MUST REMAIN IN THEIR AREA UNTIL BALL IS SHOT OR STOLEN
 - MAN TO MAN
 - ▲ EACH PLAYER GUARDS AN OPPONENT
 - ▲ PLAYERS MUST REMAIN WITH THEIR ASSIGNED OPPONENT UNTIL BALL IS SHOT OR STOLEN
 - o Body Position
 - ▲ HEAD UP
 - ▲ ARMS UP
 - ▲ KNEES AND HIPS SLIGHTLY BENT
 - ▲ STAY BETWEEN THE BASKET AND YOUR OPPONENT
- FLOOR HOCKEY
 - O MAN TO MAN: DEFENSIVE PLAYERS MATCH UP AND DEFEND THEIR ASSIGNED PERSON.
 - O ZONE: DEFENSIVE PLAYERS DEFEND AN ASSIGNED AREA.
 - O CLEAR PUCK TO SIDES: DEFENDER GAINS CONTROL OF PUCK IN DEFENSIVE ZONE AND CLEARS THE PUCK OUT OF THE ZONE BY SHOOTING IT ALONG THE BOARDS OUT OF THE REACH OF THE OFFENSIVE TEAM.
 - O TRAP: TWO DEFENSIVE PLAYERS CONVERGE ON THE PUCK AT THE SAME TIME IN THE NEUTRAL ZONE. THIS IS USED TO DISRUPT THE OFFENSIVE TEAMS ATTACK AND GAIN CONTROL OF THE PUCK.
- FOOTBALL
 - O MAN TO MAN: RUN BACKWARDS TO KEEP A "CUSHION" AS THE RECEIVER RUNS TOWARD YOU, ALLOWING YOU SPACE TO REACT TO HIS/HER CUT.
 - o Zone: Stay in your zone and react to receivers entering it.
 - FRONTS: CREATE DECEPTION BY VARYING THE LOOK OF YOUR DEFENSIVE SET.

	■ TEAM	ZONE: DEFENDERS COVER AN ASSIGNED AREA OF THE FIELD, REACTING TO BOTH THE BALL AND TO ANY OPPONENTS IN THE ZONE. MARKING: PLAYER POSITIONS SELF BETWEEN OPPONENT AND GOAL, MOVING IN A MANNER TO FORCE THE OPPONENT TO PASS OR DEFLECT THE OPPONENT PATH TO THE GOAL. HANDBALL MAN TO MAN: EACH PLAYER COVERS A DESIGNATED PLAYER ATTEMPTING TO "BLOCK OFF" AND HINDER THEIR OFFENSIVE POSITIONING ZONE: PLAYERS SPREAD OUT AROUND THE GOAL AREA LINE (6 METER LINE) AND EACH PLAYER COVERS A SEGMENT OF THE ARC.		
ENRIC	CHMENT:	THE STUDENT MAY WATCH A VIDEO OF AN ATHLETIC EVENT AND CRITIQUE THE STUDENT WILL RESEARCH HOW THE BIOMECHANICAL PRINCIPLES AFFECT		
REME	EDIATION:	THE STUDENT WILL WATCH A CLASSMATE TO DETERMINE THE MOVEMENTS T THE STUDENT WILL LIST THE BIOMECHANICAL PRINCIPLES AND EXAMPLES OF CONTENT BINDER		
RESOURCES: PENNSYLVANIA DEPARTMENT OF EDUCATION STANDARDS ALIGNED SYSTEM			s: Health and Physical Education	

FORM 4.2 Basic Skills

Name	Date
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Directions: A list of basic manipulative skills follows. Next to each skill list three important things that you should focus on when working to further develop that skill. Think of what you have to remember to do to improve and gain consistency. At the end of the year your work will be assessed according to the rubric below. Use a pencil. You will have opportunities to expand on or change your answers.

What do you have to remember when you're learning to be better?

AS A DRIBBLER	Le
	2
	3.
AS A CATCHER	1.
	2
	3.
AS A THROWER	χ ₁ ,
	2.
	3.
AS A VOLLEYER	l
	2.
	3.
AS A STRIKER	I
	2.
	3.
AS A TOSSER	Le
	2.
	5-50 J

Assessment:

information to self-assess your work before you hand it in.

4	Excellent work! You went above and beyond!	All the skill cues are correct, complete, and specific for each basic skill. Artwork, specific examples, or details that support answers are included.
3	Good work. Everything is here!	All the skill cues are correct, complete, and specific for each basic skill.
2	Good attempt. Just a few things are missing. Would you like another try?	Most of the skill cues are correct, complete, and specific for each basic skill. Two or three answers may be incorrect, not specific, or incomplete.
1	Let's be sure that you understand. I recommend that you try this one again. See me for more explanation.	Few of the skill cues are correct, complete, and specific for each basic skill.

From

FORM 7.14 Offensive Planning

Na	me	Date
and an d and inclu	understand about offensive strategies in offensive plan that you can use to gain an adva symbols, write a brief description of your plan ude what players should do to restart the plan	g to the criteria in the following rubric. Use this
4	Excellent work! You went above and beyond!	The plan clearly shows how the offense will gain an advantage over the opposing team. It is a clear application of offensive strategy. The plan is diagrammed with symbols that make it clear what every team member is supposed to do. The description of the plan is complete, detailed, and easy to understand. In addition, directions describe what team members should do to restart the plan if it doesn't result in a goal.
3	Good work. Everything is here!	The plan clearly shows how the offense will gain an advantage over the opposing team. It is a clear application of offensive strategy. The plan is diagrammed with symbols that make it clear what every team member is supposed to do. The description of the plan is complete and easy to understand.
2	Good attempt, Just a few things are missing. Would you like to try this one again?	The plan is not completely clear in showing how the offense will gain an advantage over the opposing team. It is not a clear application of offensive strategy. The plan is missing some symbols that might make it easier to understand. The description is incomplete and is difficult to understand in places.
I	Let's be sure that you understand. I recommend that you try this one again. See me for more explanation.	The plan does not show how the offense will gain an advantage over the opposing team. It is not an application of offensive strategy. The plan is missing many symbols that would make it easier to understand. The description contains little detail and is difficult to follow.

From Physical

FORM 7.15 **Defensive Planning**

Name	Date
Directions: Planning defensive strategy can give from a defensive position to an offensive position defensive strategies in that you can use to gain an advantage over the confense. Using diagrams and symbols, write a briefinto action.	on. Using what you know and understand about , come to consensus on a defensive strategy opposing team and quickly make the transition to
Assessment: Your work will be scored according information to self-assess your work before your	

4	Excellent work! You went above and beyond!	The plan clearly shows how the defense will gain an advantage over the opposing team. It is a clear application of defensive strategy. The plan is diagrammed with symbols that make it clear what every team member is supposed to do. The description of the plan is complete, detailed, and easy to understand. Additional details are included to aid understanding.
3	Good work, Everything is here!	The plan clearly shows how the defense will gain an advantage over the opposing team. It is a clear application of defensive strategy. The plan is diagrammed with symbols that make it clear what every team member is supposed to do. The description of the plan is complete and easy to understand.
2	Good attempt, Just a few things are missing. Would you like to try this one again?	The plan is not completely clear in showing how the defense will gain an advantage over the opposing team. It is not a clear application of defensive strategy. The plan is missing some symbols that might make it easier to understand. The description is incomplete and is difficult to understand in places.
I	Let's be sure that you understand, I recommend that you try this one again. See me for more explanation.	The plan does not show how the defense will gain an advantage over the opposing team. It is not an application of defensive strategy. The plan is missing many symbols that would make it easier to understand. The description contains little detail and is difficult to follow.

From Physical