COURSE	Physical Education	GRADE:	Grade 6 benchmark assessment for standard b
STATE STANDARD:	10.4.6 Physical Activity	TIME FRAM	E:
STANDARD STATEMENT:	B - EXPLAIN THE EFFECTS OF REGULAR PARTICIPATION IN MODERATE TO VIGOROUS PHYSICAL ACTIVITIES ON THE BODY SYSTEMS		

 MODERA AND CAN IT IS RECO VIGORO AT A HIG RATE. IT IIMES A V 	ITE ACTIVITY: IS DEFINED AS ACTIVITY OF INTENSITY EQUAL TO A BRISK WALK N BE PERFORMED FOR RELATIVELY LONG PERIODS OF TIME WITHOUT FATIGUE. DMMENDED THAT YOU PARTICIPATE FOR 30 MINUTES EACH DAY. US ACTIVITY: MOVEMENT THAT EXPANDS MORE ENERGY AND IS PERFORMED HER LEVEL OF INTENSITY. THESE ACTIVITIES RAISE YOUR BREATHING AND HEART IS RECOMMENDED THAT YOU PARTICIPATE FOR 20 MINUTES AT LEAST THREE VEEK.		
ENRICHMENT:	• Set up a fitness plan and follow it for one month. Reflect on p	PROGRESS AND EFFECTS/IMPROVEMENT ON THE B	ODY SYSTEMS.
REMEDIATION:	REVIEW WORKSHEET INFORMATION ABOUT EACH SYSTEM AND WRITE A F	PARAGRAPH SUMMARIZING THE FUNCTION OF EA	CH.
RESOURCES:	Elementary Heart Health: Lessons and Assessment (2001), by D. E Fitness For Life: Middle School, by Charles B. Corbin, Guy Le M/ Dr. Saul's Biology in Motion(2005), Cardiovascular system, Re Assessing and improving fitness in Elementary physical education Information please (2008), Your body systems, Retrieved: 6/25/20 Intellimed International Corporation (2008), Cardiovascular S Nemours Foundation (2008) Body Systems, Retrieved: 07/08/200 Pennsylvania Department of Education Standards Aligned Syste	Baker, NASPE Publications, Reston, VA asurier, Dolly D. Lambdin, Human Knetics (trieved: 6/25/2008 <u>http://www.biologyin</u> n, Holt/Hale (1999) NASPE Publications, F 008 <u>http://www.factmonster.com/ipka/AC</u> System, Retrieved: 6/25/2008 from: <u>http://w</u> 08 <u>http://kidshealth.org/kid/htbw/htbw_m</u> ems: Health and Physical Education	2007), Champaign, IL <u>motion.com/cardio/index.html</u> 2eston, VA <u>1774536.html</u> ww.innerbody.com/image/cardov/html <u>Ain Page.html</u> .

COURSE	Physic	al Education	GRADE: GRADE 6 BENCHMARK ASSESSMENT FOR STANDARD D		MARK ASSESSMENT FOR STANDARD D
STATE STANDARD:	10.5.6	Concepts, Principles and Strategies of Movement	TIME FRAME:		
STANDARD STATEMENT:		D - DESCRIBE AND APPLY THE PRINCIPLES OF EXERCISE TO THE COMPONENTS OF HEALTH-RELATED AND SKILL-RELATED FITNESS.			

	OBJECTIVES/ESSENTIAL CONTENT	ASSESSMENT	LEARNING ACTIVITIES
	STANDARD STATEMENT D		
	OBJECTIVE: Describe And Apply The Principles Of Exercise To The Components Of Health-Related And Skill-Related Fitness.		
UNIT OF INSTRUCTION: FITNESS	 REVIEW HEALTH-RELATED FITNESS COMPONENTS: CARDIO RESPIRATORY FITNESS: A HEALTH RELATED COMPONENT OF PHYSICAL FITNESS RELATING TO THE ABILITY OF THE CIRCULATORY AND RESPIRATORY SYSTEMS TO SUPPLY OXYGEN DURING SUSTAINED PHYSICAL ACTIVITY. MUSCULAR STRENGTH: A HEALTH-RELATED COMPONENT OF PHYSICAL FITNESS THAT RELATES TO THE ABILITY OF THE MUSCLE TO EXERT FORCE. MUSCULAR ENDURANCE: A HEALTH-RELATED COMPONENT OF PHYSICAL FITNESS THAT RELATES TO THE ABILITY OF A MUSCLE TO EXERT FORCE. MUSCULAR ENDURANCE: A HEALTH-RELATED COMPONENT OF PHYSICAL FITNESS THAT RELATES TO THE ABILITY OF A MUSCLE TO CONTINUE TO PERFORM WITHOUT FATIGUE. FLEXIBILITY: HEALTH-RELATED COMPONENT OF PHYSICAL FITNESS THAT RELATES TO THE RANGE OF MOTION AVAILABLE AT A JOINT. BODY COMPOSITION: A HEALTH-RELATED COMPONENT OF PHYSICAL FITNESS THAT RELATES TO THE PERCENTAGE OF FAT TISSUE AND LEAN TISSUE IN THE BODY REVIEW SKILL-RELATED FITNESS COMPONENTS: AGILITY: A COMPONENT OF PHYSICAL FITNESS THAT RELATES TO THE ABILITY TO RAPIDLY CHANGE THE POSITION OF THE ENTIRE BODY IN SPACE WITH SPEED AND ACCURACY. BALANCE: A SKILL-RELATED COMPONENT OF PHYSICAL FITNESS THAT RELATES TO THE MAINTENANCE OF EQUILIBRIUM WHILE STATIONARY OR MOVING. COORDINATION: A SKILL-RELATED COMPONENT OF PHYSICAL FITNESS THAT RELATES TO THE ABILITY TO USE THE SENSES TOGETHER WITH BODY PARTS IN PERFORMING MOTOR TASKS SMOOTHLY AND ACCURATELY. POWER: SKILL-RELATED COMPONENT OF PHYSICAL FITNESS THAT RELATES TO THE RATE AT WHICH ONE CAN PERFORM WORK. 	 Log/FITNESSGRAM JOURNAL FITNESS PLAN JOURNAL ABOUT PLAN IMPLEMENTATION PRESCRIPTION FOR GOOD HEALTH PG. 145 OPEN ENDED QUESTIONS PG. 196-197 	 FITNESS CENTER AEROBIC/ANAEROBIC STATIONS CIRCUIT TRAINING DEVELOP A 2 WEEK CARDIO- RESPIRATORY ENDURANCE FITNESS PLAN USING PRINCIPLES OF EXERCISE.

 REACTION TIME: A SKILL-RELATED COMPONENT OF PHYSICAL FITNESS THAT RELATES TO THE TIME ELAPSED BETWEEN STIMULATION AND THE BEGINNING OF 	
THE RESPONSE TO IT.	
 Speed: skill-related component of physical fitness that relates to the Ability to perform a movement or cover a distance in a short period of time. 	
REVIEW THE FITT PRINCIPLE:	
 FREQUENCY: DESCRIBES HOW OFTEN A PERSON PERFORMS THE TARGETED HEALTH RELATED FITNESS 	
 Intensity: describes how hard a person exercises during physical activity period depends on the age and fitness goals of the participant. Time: describes how long the activity should be performed 	
 Type: Refers to mode or what kind of activity a person chooses to perform 	
 THE FITT PRINCIPLE APPLIED TO CARDIO-RESPIRATORY ENDURANCE: F=ALL OR MOST DAYS A WEEK (3-6 SESSIONS PER WEEK) I= MODERATE TO VIGOROUS ACTIVITY – HEART RATE AS AN INDICATOR T= 30-60 MINUTES DAILY ACTIVITY (20 MINUTES OR MORE IN EACH SESSION) T= SELECT ACTIVITIES FROM LEVEL ONE LIFETIME PHYSICAL ACTIVITIES AND LEVEL TWO ACTIVE AEROBIC ACTIVITIES OF THE PHYSICAL ACTIVITY PYRAMID. 	
 THE FITT PRINCIPLE APPLIED TO ISOTONIC EXERCISES FOR STRENGTH. F=TWO OR THREE DAYS A WEEK (NON CONSECUTIVE DAYS) I=MODERATE RESISTANCE EXERCISES THAT YOU CAN DO 15 TIMES OR FEWER T= ONE SET OF 10-15 REPS T= SELECT ACTIVITIES FROM LEVEL THREE STRENGTH AND MUSCULAR ENDURANCE OF THE PHYSICAL ACTIVITY PYRAMID. 	
 THE FITT PRINCIPLE APPLIED TO ISOTONIC EXERCISES FOR MUSCULAR ENDURANCE. F= THREE TO SIX DAYS A WEEK I=LOW RESISTANCE EXERCISES THAT YOU CAN DO AT LEAST 25 TIMES/REPS. T= ONE TO THREE SETS OF 11 TO 25 REPS T= SELECT ACTIVITIES FROM LEVEL 3 STRENGTH AND MUSCULAR ENDURANCE OF THE PHYSICAL ACTIVITY PYRAMID. 	

	-				
	THE FITT PRIM F= STR I= STR BURNII T= HC 10 SEC T= SEL ACTIV	ACIPLES APPLIED TO FLEXIBILITY RETCH DAILY IF POSSIBLE; IF NOT AT LEAST 3 TIMES PER WEEK. ETCH SO THAT YOU FEEL TENSION IN THE MUSCLE AND EVEN A SLIGHT NG SENSATION, BUT YOU SHOULD NOT FEEL PAIN. DLD EACH STRETCH 15-30 SECONDS. PERFORM 1-3 TIMES. REST AT LEAST CONDS AFTER EACH STRETCH. LECT ACTIVITIES FROM LEVEL 3 FLEXIBILITY ACTIVITIES OF THE PHYSICAL TITY PYRAMID.			
ENRICHMENT:					
REMEDIATION:					
RESOURCES:		Fitness For Life: Middle School, by Charles B. Corbin, Buy Le Masurier, Dolly D. Lambdin, Human Knetics (2007), Champaign, IL Physical Education for Lifelong Fitness: The Physical Best Teacher's Guide, NASPE (2005), Human Kinetics, Champaign, IL Pennsylvania Department of Education Standards Aligned Systems: Health and Physical Education Fitnessgram/Activitygram Test Administration Manual-4 th Edition, The Cooper Institute (2007)			

FORM 6.15 Apply Your Fitness Knowledge— Components

Name _____

Date

Directions: All physical activities require specific combinations of health-related fitness components and skill-related fitness components. Choose the two major health-related fitness components for ______ and explain how having high levels of these components will help

l. _____

participants be more successful.

2.

Assessment: Your work will be scored according to the criteria in the following rubric. Use this information to self-assess your work before you hand it in.

4	Excellent work! You went above and beyond!	Each response is complete and correct. Two health- related fitness components are identified, and their relationships to the specified activity are provided. Artwork, specific examples, or details that support answers are included.
3	Good work. Everything is here!	Each response is complete and correct. Two health- related fitness components are identified, and their relationships to the specified activity are provided.
2	Good attempt, Just a few things are missing, Would you like to try this one again?	One response is complete and correct. One health- related fitness component is identified, and its rela- tionship to the specified activity is provided.
1	Let's be sure that you understand. I recommend that you try this one again. See me for more explanation.	No complete and correct answers are provided, No health-related fitness components are identified.

Name	Date
Directions: Jessie wants to train for ponents that are important for her to develop exercise or activity that she can do to help her r	Identify two skill-related fitness com- to be successful in this activity and prescribe one reach her training goals for each component.
l :	2

4	Excellent work! You went above and beyond!	Each response is complete and correct. Two skill- related fitness components are identified, and a prescription for a related training activity for each is provided. Artwork, specific examples, or details that support answers are included.		
3	Good work. Everything is here!	Each response is complete and correct. Two skill- related fitness components are identified, and a prescription for a related training activity for each is provided.		
2	Good attempt. Just a few things are missing. Would you like to try this one again?	One item is missing or incorrect. One of the two skill-related fitness components identified or a related exercise or activity is incorrect.		
1	Let's be sure that you understand. I recommend that you try this one again. See me for more explanation.	No complete and correct answers are provided. Skill-related fitness components or related training activities are incorrect or missing.		

COURSE	Physical Education		GRADE:	Grade 6 benchmark assessment for standards e-f
STATE STANDARD: 10.		Concepts, Principles and Strategies of Movement	TIME FRAM	E:
STANDARD STATEMENT	:	E - Identify and use scientific principles that affect basic movement and sk F - Identify and apply game strategies to basic games and physical activit	(ILLS USING AP FIES.	PROPRIATE VOCABULARY.

	OBJECTIVES/ESSENTIAL CONTENT	ASSESSMENT	LEARNING ACTIVITIES
	STANDARD STATEMENT E		
	OBJECTIVE: IDENTIFY AND USE SCIENTIFIC PRINCIPLES THAT AFFECT BASIC MOVEMENT AND SKILLS USING APPROPRIATE VOCABULARY.	PROJECT IDENTIFYING SCIENTIFIC PRINCIPLES TO ACTIVITY OF CHOICE.	BASKETBALL SOCCER
	STATIC AND DYNAMIC BALANCE: REINFORCE	Teacher observation	FOOIBALL ULTIMATE BALL ELOOP HOCKEY
IES	• FLIGHT: REINFORCE		TCHOUKBALL
Z Z	Newton's Laws of motion: REINFORCE		
ט z	APPLICATION OF FORCE: REINFORCE		
NVASIO	• LEVERS: LEVERS ARE DIVIDED INTO THREE CLASSES. CLASSIFICATION IS BASED ON HOW THE FORCE, RESISTANCE AND AXIS ARE POSITIONED ON THE LEVER IN RELATION TO EACH OTHER.		
	 1st CLASS LEVER: THE AXIS IS BETWEEN THE RESISTANCE AND FORCE. (THINK OF A LEG PRESS MACHINE) 		
CTIO	 2ND CLASS LEVER: THE RESISTANCE IS POSITIONED BETWEEN THE AXIS AND THE FORCE. (THINK OF A BENCH PRESS MACHINE.) 		
IT OF INSTRU	 3RD CLASS LEVER: THE FORCE IS POSITIONED BETWEEN THE AXIS AND RESISTANCE. (THINK OF BICEP CURL, WHERE THE AXIS IS THE ELBOW, FORCE IS TENSION OF MUSCLE IN BICEP, AND RESISTANCE IS THE DUMBBELL IN HAND.) 		
N N	STANDARD STATEMENT F		
	OBJECTIVE: IDENTIFY AND APPLY GAME STRATEGIES TO BASIC GAMES AND PHYSICAL ACTIVITIES.	Peer/group observation	
	• GIVE AND GO: REINFORCE	PEER COMMUNICATION CHECKLIST	
	ONE ON ONE: REINFORCE		

	• PEER COMM	UNICATION: REINFORCE		
	BASIC CONCEP	PTS FOR INVASION GAMES: REINFORCE		
		THE STUDENTS WILL CREATE A JOURNAL OR LOG OF ACTIVITIES OUTSIDE C	DF SCHOOL THAT ARE LOCOMOTOR, NON LOCOM	OTOR, AND MANIPULATIVE.
ENRIC	CHMENT:	 THE STUDENTS WILL WATCH A COLLEGE OR PROFESSSIONAL SPORTING EV ASSIST STUDENTS HAVNIG DIFFICULTUY WITH SKILLS/CONCEPTS 	ent and list the movement skills that were de	MONSTRATED.
REME	DIATION:	TASK CARDS SHOWING MOVEMENT SEQUENCES TEACHER WORKING WITH THE STUDENT INDIVIDUALLY		
		PEER COACHING		
		OBJECTS IN MOTION: PRINCIPLES OF CLASSICAL MECHANICS, BY PAUL FL CREATING RUBRICS FOR PHYSICAL EDUCATION, BY JACALYN LUND, AAH	EISHER (2002), LERNER PUBLICATIONS COMPANY PERD PUBLICATIONS (2000), OXON HILL, MD	, MINNEAPOLIS, MI
		PHYSICAL BEST ACTIVITY GUIDE, BY NASPE, HUMAN KINETICS (2005), CHA	MPAIGN, IL	
RESO	URCES:	PHYSICAL EDUCATION ASSESSMENT TOOLKIT, BY LIZ GILES-BROWN, UNITED) GRAPHICS (2006), CHAMPAIGN, IL	
		ASSESSMENT STRATEGIES FOR ELEMENTARY PHYSICAL EDUCATION. BY SUZ.	ANN SCHIEMER, VERSA PRESS (2000), CHAMPAG	SN, IL
		Pennsylvania Department of Education Standards Aligned System	MS: HEALTH AND PHYSICAL EDUCATION	

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IN	an	ie:
× 1	COLL.	

Standard 10.5.6.E- Cognitive assessment

Fill in the blanks.

- 1. Sir Isaac Newton came up with the three basic ideas that are applied to the physics of most ______. (motion)
- 3. The two types of balance are ______ & _____. (static dynamic)
- 4. ______ is when an object or person is projected into the air. (flight)
- 5. There are ______ classes of levers. (three)
- 6. The three parts that make up a lever are _____, ____, and _____, and ____, and ____,

Matching.

1. Law of Inertia

2. Law of Acceleration

3. Law of Action/Reaction

F=ma

THE MORE FORCE THE MORE ACCELERATION

AN ELASTIC COLLISION WHERE THE BALL DOES NOT LOSE ANY ENERGY.

WITH NO OUTSIDE FORCES THIS OBJECT WILL NEVER MOVE

WITH NO OUTSIDE FORCES THIS OBJECT WILL NEVER STOP

TEACHER OBSERVATION

Standard 10.5.6.E- Tchoukball psychomotor assessment

Student name	Offense: Using force for shooting	Defense: Placement based on action/reaction

Rubric

	Excellent	Good	Needs Improvement	Not evident
				(receives a
	(receives star)	(receives check)	(receives minus)	question mark)
Offense	Analyze shot and amount of force needed to avoid defense, applies varying force- uses action/reaction to determine angle for shot	Uses both principles but not consistently	Uses force appropriately but angle needs more work (or vice versa)	Student was not seen using this skill during game play
Defense	Analyze offensive positioning and force to position self for block	Uses both principles but not consistently	Analyzes force appropriately but angle needs more work (or vice versa)	Student was not seen using this skill during game play



Directions: We learned about Newton's three laws of motion while enjoying ourselves with (game).

Now it is your turn. Choose one, two or three activities you really enjoy. You have to explain an example from that activity for each law.

You may use one activity to describe all three or you can pick a different activity for each law. It is completely up to you.

	Excellent	Good	Needs
			improvement
	(4 - 5 pts)	(3 - 4 pts)	(1-2 pts)
Law of Inertia	Gave a detailed	Gave a correct	Example did not
	example of an	example for this law	provide an example
	activity that would	but explanation was	for this law
	demonstrate this	not detailed.	
	law.		
Law of	Gave a detailed	Gave a correct	Example did not
Acceleration	example of an	example for this law	provide an example
riccontraction	activity that would	but explanation was	for this law
	demonstrate this	not detailed.	
	law.		
Law of	Gave a detailed	Gave a correct	Example did not
action/reaction	example of an	example for this law	provide an example
	activity that would	but explanation was	for this law
	demonstrate this	not detailed.	
	law.		
Overall	Project was creative,	Project was neat and	Project did not show
	neat and easy to	easy to follow	much effort
	follow		

FORM 7.6 Invasion Games—Self-Assessment

Name

Date

Directions: Assess yourself by shading in the learning line following each strategy that you use during ______.

I. I consistently move to the open spaces to get open when I'm playing offense.

never		some of the time	most of the time
 I'm always when I'm 	s ready and maintain a good : playing offense.	athletic position. My oppone	nt has a hard time guarding me
never	some of the time	a lot of the time	most of the time
3. I make it l	nard for my opponent to get	open, pass, or score when I'r	m plaving defense.
never		some of the time	most of the time
N25 5		s so that we all work more e	officiently as a group Lam open-
 I commur minded ar 	nd willing to listen to feedbac	< from teammates.	sincicital, as a group, rain open.

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

Name			Date
Directions: As during	sess yourself by shading i	n the learning line followi	ng each strategy that you use
I. I consistent	y move to the open spaces	to get open when I'm playir	g offense.
never		some of the time	most of the time
when m p		10 16 VI P	100 D D
never	some of the time	a lot of the time	most of the time
never	some of the time	a lot of the time	most of the time
never 3. I make it ha	some of the time ard for my opponent to get	a lot of the time open, pass, or score when I'	most of the time m playing defense.
never 3. I make it ha	some of the time ard for my opponent to get	a lot of the time open, pass, or score when I' some of the time	most of the time m playing defense. most of the time
3. I make it han never 4. I communi- minded and	some of the time ard for my opponent to get cate well with my teammate d willing to listen to feedbac	a lot of the time open, pass, or score when I' some of the time es so that we all work more k from teammates.	most of the time m playing defense. most of the time efficiently as a group. I am open-

FORM 7.8	Net	Games-	-Self-Assessment	

Name		Date
Directions: Assess _{>} during	ourself by shading in the learning line following	g each strategy that you use
 I maintain an ath score. 	letic ready position and am focused on the play. It	is difficult for my opponent to
never	some of the time	most of the time
2. I attempt to send	I the ball or object to open areas so that my oppon	ent has to move to play it.
never	some of the time	most of the time
3. I use a variety of to the next.	some of the time	t what I will do from one pla

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

Name		Date
Directions: Assess you during	urself by shading in the learning line followin	g each strategy that you use
 I maintain an athleti score. 	c ready position and am focused on the play. It	is difficult for my opponent to
never	some of the time	most of the time
2. I attempt to send th	ne ball or object to open areas so that my oppor	nent has to move to play it.
never	some of the time	most of the time
 I use a variety of sh to the next. 	ots so that it is hard for my opponent to predi	ct what I will do from one play
	some of the time	most of the time

Grade 6 - Concepts, Principles and Strategies of Movement/Invasion Games REV 7-10-08 7

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FORM 7.9 Fielding Games—Self-Assessment

Name ____

Directions: Assess yourself by shading in the learning line following each strategy that you use during ______.

Date

I. I try to send the ball or object to the open spaces so that fielders have to move to stop it when I'm playing offense.

never	some of the time	most of the time
 I maintain an athlet not paying attention 	ic ready position and stay focused on the ball. I a n when I'm playing defense.	im never caught standing up or
never	some of the time	most of the time
3. I move to get in fro	nt of the ball or object when it is hit to my area	when I'm playing defense.
never	some of the time	most of the time
4. I am ready and mo	ve to back up teammates when necessary when I	I'm playing defense.
never	some of the time	most of the time
Γ ΟΙ · ΙΓΙ · · λ · · Τ Π m Dhycir	al Education Assessment Toolkit by Liz Giles-Brown 2006 Champaign I	I · Human Kinetics

Fro

Name		Date
Directions: Assess you during	rself by shading in the learning line following	g each strategy that you use
 I try to send the ball playing offense. 	or object to the open spaces so that fielders ha	ve to move to stop it when I'm
never	some of the time	most of the time
 I maintain an athletic not paying attention 	ready position and stay focused on the ball. I a when I'm playing defense.	im never caught standing up or
never	some of the time	most of the time
	it of the ball or object when it is hit to my area '	when I'm playing defense.
3. I move to get in from		most of the time
3. I move to get in from never	some of the time	
3. I move to get in from	some of the time	x 3 3 1 0 4
 3. I move to get in from never 4. I am ready and move 	some of the time e to back up teammates when necessary when I	'm playing defense.

FORM 7.7	Target	Games—Self-Assessment
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Namaa	
Name	

Date _____

most of the time

most of the time

Directions: Assess yourself by shading in the learning line following each strategy that you use during ______.

I. I am relaxed and able to stay focused on each attempt.

never

some of the time

I do not rush through a shot. I take my time and concentrate on using my best skills.
 never some of the time most of the time

 I do not get upset with myself when I make a mistake. I assess the performance and attempt to make adjustments on the next trial.

never

some of the time

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

Name		Date
Directions: Assess yo during	urself by shading in the learning line following	g each strategy that you use
I. I am relaxed and al	ble to stay focused on each attempt.	
never	some of the time	most of the time
2. I do not rush throu	gn a snot. I take my time and concentrate on usin	ng my dest skills.
never	some of the time	most of the time
3. I do not get upset make adjustments	with myself when I make a mistake. I assess the on the next trial.	e performance and attempt to
navar	some of the time	most of the time

COURSE:	Physic	AL EDUCATION	GRADE:	Grade 6
STATE STANDARD:	10.5.6 Concepts, Principles and Strategies of Movement		TIME FRAME:	
STANDARD STATEMENT:		E - IDENTIFY AND USE SCIENTIFIC PRINCIPLES THAT AFFECT BASIC MOVEMENT AND SKILLS USING APPROPRIATE VOCABULARY.		

ASSESSMENT	LEARNING ACTIVITIES
 PROJECT IDENTIFYING SCIENTIFIC PRINCIPLES TO ACTIVITY OF CHOICE TEACHER OBSERVATION FITNESS PLAN LINKING IMPROVEMENT TO SCIENTIFIC PRINCIPLES 	 GYMNASTICS TRACK & FIELD AQUATICS
	 ASSESSMENT PROJECT IDENTIFYING SCIENTIFIC PRINCIPLES TO ACTIVITY OF CHOICE TEACHER OBSERVATION FITNESS PLAN LINKING IMPROVEMENT TO SCIENTIFIC PRINCIPLES

	REVIEW APP MOVEMENT. DI	LICATION OF FORCE: THE AMOUNT OF ENERGY EXPENDED IN A		
	REVIEW STAT ST D	IC AND DYNAMIC BALANCES: TATIC BALANCE: HAVING NO MOTION: BODIES AT REST OR IN EQUILIBRIUM. YNAMIC BALANCE: REQUIRES MOVEMENT.		
• Review Flight: Flight is when objects or person is projected in the air. Trajectory depends on their velocity (speed, direction), height and angle of release. (Think of a baseball player pitching a ball or someone throwing a javelin)		HT: FLIGHT IS WHEN OBJECTS OR PERSON IS PROJECTED IN THE AIR.		
ENRI	CHMENT:			
REME	DIATION:			
RESO	URCES:	Objects in Motion: Principles of Classical Mechanics, by Paul Fl Pennsylvania Department of Education Standards Aligned System	eisher (2002), Lerner Publications Company Ms: Health and Physical Education	7, Minneapolis, MI

COURSE	Physical Education		Grade 6 benchmark assessment for standards e-f	
STATE STANDARD:	10.5.6 Concepts, Principles and Strategies of Movement	MOVEMENT TIME FRAME:		
STANDARD STATEMENT	E - IDENTIFY AND USE SCIENTIFIC PRINCIPLES THAT AFFECT BASIC MOVEMENT A F - IDENTIFY AND APPLY GAME STRATEGIES TO BASIC GAMES AND PHYSICAL A	E - IDENTIFY AND USE SCIENTIFIC PRINCIPLES THAT AFFECT BASIC MOVEMENT AND SKILLS USING APPROPRIATE VOCABULARY. F - IDENTIFY AND APPLY GAME STRATEGIES TO BASIC GAMES AND PHYSICAL ACTIVITIES.		

	OBJECTIVES/ESSENTIAL CONTENT	ASSESSMENT	LEARNING ACTIVITIES
	STANDARD STATEMENT E		
	OBJECTIVE: IDENTIFY AND USE SCIENTIFIC PRINCIPLES THAT AFFECT BASIC MOVEMENT AND SKILLS USING APPROPRIATE VOCABULARY.	PROJECT IDENTIFYING SCIENTIFIC PRINCIPLES TO ACTIVITY OF CHOICE.	VOLLEYBALLNET/WALL STATIONS
	STATIC AND DYNAMIC BALANCE: REINFORCE	TEACHER OBSERVATION	
ES	• FLIGHT: REINFORCE		
AM	NEWTON'S LAWS OF MOTION: REINFORCE		
L G	• APPLICATION OF FORCE: REINFORCE		
IET/WAL	• LEVERS: LEVERS ARE DIVIDED INTO THREE CLASSES. CLASSIFICATION IS BASED ON HOW THE FORCE, RESISTANCE AND AXIS ARE POSITIONED ON THE LEVER IN RELATION TO EACH OTHER.		
N: N	 1st CLASS LEVER: THE AXIS IS BETWEEN THE RESISTANCE AND FORCE. (THINK OF A LEG PRESS MACHINE) 		
ICTIO	• 2^{ND} class lever: the resistance is positioned between the axis and the force. (Think of a bench press machine.)		
VIT OF INSTRU	 3RD CLASS LEVER: THE FORCE IS POSITIONED BETWEEN THE AXIS AND RESISTANCE. (THINK OF BICEP CURL, WHERE THE AXIS IS THE ELBOW, FORCE IS TENSION OF MUSCLE IN BICEP, AND RESISTANCE IS THE DUMBBELL IN HAND.) 		
D	STANDARD STATEMENT F		
	OBJECTIVE: IDENTIFY AND APPLY GAME STRATEGIES TO BASIC GAMES AND PHYSICAL ACTIVITIES.	PEER/GROUP OBSERVATION	
	• PEER COMMUNICATION: REINFORCE	PEER COMMUNICATION CHECKLIST	
	BASIC CONCEPTS FOR NET/WALL GAMES: REINFORCE		

ENRICHMENT:	 THE STUDENTS WILL CREATE A JOURNAL OR LOG OF ACTIVITIES OUTSIDE OF SCHOOL THAT ARE LOCOMOTOR, NON LOCOMOTOR, AND MANIPULATIVE. THE STUDENTS WILL WATCH A COLLEGE OR PROFESSSIONAL SPORTING EVENT AND LIST THE MOVEMENT SKILLS THAT WERE DEMONSTRATED. ASSIST STUDENTS HAVNIG DIFFICULTUY WITH SKILLS/CONCEPTS
REMEDIATION:	 TASK CARDS SHOWING MOVEMENT SEQUENCES TEACHER WORKING WITH THE STUDENT INDIVIDUALLY PEER COACHING
RESOURCES:	Objects in Motion: Principles of Classical Mechanics, by Paul Fleisher (2002), Lerner Publications Company, Minneapolis, MI Creating Rubrics for Physical Education, by Jacalyn Lund, AAHPERD Publications (2000), Oxon Hill, MD Physical best activity Guide, by Naspe, human kinetics (2005), Champaign, IL Physical Education Assessment Toolkit, by Liz Giles-Brown, United Graphics (2006), Champaign, IL Sports and Fitness Nutrition, by Barry Miller and Robert Wildman, Thomason and Wadsworth (2004) Belmont, CA Assessment Strategies for Elementary Physical Education, by Suzann Schiemer, Versa Press (2000), Champaign, IL Pennsylvania Department of Education Standards Aligned Systems: Health and Physical Education

FORM 7.8 Net Games—Self-Assessment

Directions: Assess youn during	self by shading in the learning line following	g each strategy that you use
 I maintain an athletic score. 	ready position and am focused on the play, It	is difficult for my opponent to
never	some of the time	most of the time
2. Tattempt to send the never	some of the time	most of the time
 I use a variety of shot to the next. 	ts so that it is hard for my opponent to predic	t what I will do from one play
	C.1	L Cil. I'm

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

FORM 7.8 Net Games—Self-Assessment Name _____ Date _____ **Directions:** Assess yourself by shading in the learning line following each strategy that you use during I. I maintain an athletic ready position and am focused on the play. It is difficult for my opponent to score. some of the time most of the time never 2. I attempt to send the ball or object to open areas so that my opponent has to move to play it. some of the time most of the time never 3. I use a variety of shots so that it is hard for my opponent to predict what I will do from one play to the next. some of the time most of the time never From Physical Education Assessment Toolkit by Liz Giles-Brown, 2006, Champaign, IL: Human Kinetics.

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SCIENTIFIC PRINCIPLES ASSESSMENT GRADE 6 BENCHMARK ASSESSMENT 10.5.6.E

FILL IN THE BLANKS

Sir Isaac Newton came up with the three laws of ______. (motion)
 Strength and speed would be two examples of ______ that affect the force the body can produce. (External factors)
 The two types of balance are ______ & _____. (static, dynamic)
 ______ is when an object or person is projected into the air. (flight)
 There are ______ classes of levers. (three)
 The three parts that make up a lever are ______, _____, and ______, and ______. (axis, resistance, force- acronym ARF)

MATCHING

1. Law of Inertia

2. Law of Acceleration

3. Law of Action/Reaction



TEACHER OBSERVATION

STANDARD 10.5.6.E- TCHOUKBALL PSYCHOMOTOR ASSESSMENT

STUDENT NAME	OFFENSE: USING FORCE FOR SHOOTING	DEFENSE: PLACEMENT BASED ON ACTION/REACTION

RUBRIC

	EXCELLENT (RECEIVES STAR)	GOOD (RECEIVES CHECK)	NEEDS IMPROVEMENT (RECEIVES MINUS)	NOT EVIDENT (RECEIVES A QUESTION MARK)
OFFENSE	Analyze shot and amount of force needed to avoid defense, applies varying force- uses action /reaction to determine angle for shot.	Uses both principles but not consistently.	Uses force appropriately but angle needs more work. (or vice versa)	Student was not seen using this skill during game play.
DEFENSE	Analyze offensive positioning and force to position self for block.	Uses both principles but not consistently.	Analyzes force appropriately but angle needs more work. (or vice versa)	Student was not seen using this skill during game play.



DIRECTIONS: We learned about Newton's three laws of motion while enjoying ourselves with (game). Now it is your turn. Choose one, two or three activities you really enjoy. You have to explain an example from that activity for each law.

You may use one activity to describe all three or you can pick a different activity for each law. It is completely up to you.

	EXCELLENT (4 - 5 PTS)	GOOD (3 - 4 PTS)	NEEDS IMPROVEMENT (1-2 PTS)
LAW OF INERTIA	Gave a detailed example of an activity that would demonstrate this law.	Gave a correct example for this law but explanation was not detailed.	Example did not provide an example for this law.
LAW OF ACCELERATION	Gave a detailed example of an activity that would demonstrate this law.	Gave a correct example for this law but explanation was not detailed.	Example did not provide an example for this law.
LAW OF ACTION /REACTION	Gave a detailed example of an activity that would demonstrate this law.	Gave a correct example for this law but explanation was not detailed.	Example did not provide an example for this law.
OVERALL	Project was creative, neat and easy to follow.	Project was neat and easy to follow.	Project did not show much effort.

COURSE	COURSE PHYSICAL EDUCATION		GRADE 6 BENCHMARK ASSESSMENT FOR STANDARDS E-F	
STATE STANDARD:	10.5.6 Concepts, Principles and Strategies of Movement	TIME FRAME:		
STANDARD STATEMENT	E - IDENTIFY AND USE SCIENTIFIC PRINCIPLES THAT AFFECT BASIC MOVEMENT AN F - IDENTIFY AND APPLY GAME STRATEGIES TO BASIC GAMES AND PHYSICAL AC	E - IDENTIFY AND USE SCIENTIFIC PRINCIPLES THAT AFFECT BASIC MOVEMENT AND SKILLS USING APPROPRIATE VOCABULARY. F - IDENTIFY AND APPLY GAME STRATEGIES TO BASIC GAMES AND PHYSICAL ACTIVITIES.		

	OBJECTIVES/ESSENTIAL CONTENT	ASSESSMENT	LEARNING ACTIVITIES
	STANDARD STATEMENT E		
	OBJECTIVE: IDENTIFY AND USE SCIENTIFIC PRINCIPLES THAT AFFECT BASIC MOVEMENT AND SKILLS USING APPROPRIATE VOCABULARY.	PROJECT IDENTIFYING SCIENTIFIC PRINCIPLES TO ACTIVITY OF CHOICE.	KICKBALL TEE-BALL
MES	STATIC AND DYNAMIC BALANCE: REINFORCE	Teacher observation	IEIHER BALL WIFFEL BALL SOFTBALL
GA	NEWTON'S LAWS OF MOTION: REINFORCE		STRIKING/FIELDING STATIONS
U N N	APPLICATION OF FORCE: REINFORCE		
/FIELDI	• LEVERS: LEVERS ARE DIVIDED INTO THREE CLASSES. CLASSIFICATION IS BASED ON HOW THE FORCE, RESISTANCE AND AXIS ARE POSITIONED ON THE LEVER IN RELATION TO EACH OTHER.		
KING	 1st CLASS LEVER: THE AXIS IS BETWEEN THE RESISTANCE AND FORCE. (THINK OF A LEG PRESS MACHINE) 		
STR	• 2^{ND} CLASS LEVER: THE RESISTANCE IS POSITIONED BETWEEN THE AXIS AND THE FORCE. (THINK OF A BENCH PRESS MACHINE.)		
NSTRUCTION:	 3RD CLASS LEVER: THE FORCE IS POSITIONED BETWEEN THE AXIS AND RESISTANCE. (THINK OF BICEP CURL, WHERE THE AXIS IS THE ELBOW, FORCE IS TENSION OF MUSCLE IN BICEP, AND RESISTANCE IS THE DUMBBELL IN HAND.) 		
	STANDARD STATEMENT F		
INIT	OBJECTIVE: IDENTIFY AND APPLY GAME STRATEGIES TO BASIC GAMES AND PHYSICAL ACTIVITIES.		
	• PEER COMMUNICATION: REINFORCE	Peer/group observation	
	BASIC CONCEPTS FOR STRIKING/FIELDING GAMES: REINFORCE	PEER COMMUNICATION CHECKLIST	

ENRICHMENT:	 THE STUDENTS WILL CREATE A JOURNAL OR LOG OF ACTIVITIES OUTSIDE OF SCHOOL THAT ARE LOCOMOTOR, NON LOCOMOTOR, AND MANIPULATIVE. THE STUDENTS WILL WATCH A COLLEGE OR PROFESSSIONAL SPORTING EVENT AND LIST THE MOVEMENT SKILLS THAT WERE DEMONSTRATED. ASSIST STUDENTS HAVNIG DIFFICULTUY WITH SKILLS/CONCEPTS 			
PEMEDIATION	TASK CARDS SHOWING MOVEMENT SEQUENCES TEACHER WORKING WITH THE STUDENT INDIVIDUALLY.			
REMEDIATION.	 PEER COACHING PEER COACHING 			
	OBJECTS IN MOTION: PRINCIPLES OF CLASSICAL MECHANICS, BY PAUL FLEISHER (2002), LERNER PUBLICATIONS COMPANY, MINNEAPOLIS, MI			
	CREATING RUBRICS FOR PHYSICAL EDUCATION, BY JACALYN LUND, AAHPERD PUBLICATIONS (2000), OXON HILL, MD physical best activity guide, by Naspe, humani kinietics (2005), champaigni II			
RESOURCES:	Physical Best Activity Golde, by Masper, Human Kinelics (2003), Champaign, IL Physical Education Assessment Toolkit, by Liz Giles-Brown, United Graphics (2006), Champaign, IL			
	Sports and Fitness Nutrition, by Barry Miller and Robert Wildman, Thomason and Wadsworth (2004) Belmont, CA			
	Assessment Strategies for Elementary Physical Education, by Suzann Schiemer, Versa Press (2000), Champaign, IL			
	Pennsylvania Department of Education Standards Aligned Systems: Health and Physical Education			

NAME:

DATE:_

SCIENTIFIC PRINCIPLES ASSESSMENT GRADE 6 BENCHMARK ASSESSMENT 10.5.6.E

FILL IN THE BLANKS

1.	Sir Isaac Newton came up with the three laws of ((motion)
1.		monony

- 2. Strength and speed would be two examples of ______ that affect the force the body can produce. (External factors)
- 3. The two types of balance are ______ & _____. (static, dynamic)
- 4. ______ is when an object or person is projected into the air. (flight)
- 5. There are _____ classes of levers. (three)
- 6. The three parts that make up a lever are _____, ____, and ____, and _____, (axis, resistance, force- acronym ARF)

MATCHING

1. Law of Inertia

2. Law of Acceleration

3. Law of Action/Reaction



STANDARD 10.5.6.E- TCHOUKBALL PSYCHOMOTOR ASSESSMENT

STUDENT NAME	OFFENSE: USING FORCE FOR SHOOTING	DEFENSE: PLACEMENT BASED ON ACTION/REACTION

RUBRIC

	EXCELLENT (RECEIVES STAR)	GOOD (RECEIVES CHECK)	NEEDS IMPROVEMENT (RECEIVES MINUS)	NOT EVIDENT (RECEIVES A QUESTION MARK)
OFFENSE	Analyze shot and amount of force needed to avoid defense, applies varying force- uses action /reaction to determine angle for shot.	Uses both principles but not consistently.	Uses force appropriately but angle needs more work. (or vice versa)	Student was not seen using this skill during game play.
DEFENSE	Analyze offensive positioning and force to position self for block.	Uses both principles but not consistently.	Analyzes force appropriately but angle needs more work. (or vice versa)	Student was not seen using this skill during game play.



DIRECTIONS: We learned about Newton's three laws of motion while enjoying ourselves with (game). Now it is your turn. Choose one, two or three activities you really enjoy. You have to explain an example from that activity for each law.

You may use one activity to describe all three or you can pick a different activity for each law. It is completely up to you.

	EXCELLENT (4 - 5 PTS)	GOOD (3 - 4 PTS)	NEEDS IMPROVEMENT (1-2 PTS)
LAW OF INERTIA	Gave a detailed example of an activity that would demonstrate this law.	Gave a correct example for this law but explanation was not detailed.	Example did not provide an example for this law.
LAW OF ACCELERATION	Gave a detailed example of an activity that would demonstrate this law.	Gave a correct example for this law but explanation was not detailed.	Example did not provide an example for this law.
LAW OF ACTION /REACTION	Gave a detailed example of an activity that would demonstrate this law.	Gave a correct example for this law but explanation was not detailed.	Example did not provide an example for this law.
OVERALL	Project was creative, neat and easy to follow.	Project was neat and easy to follow.	Project did not show much effort.

FORM 7.9 Fielding Games—Self-Assessment

Name _____

Date

Directions: Assess yourself by shading in the learning line following each strategy that you use during _____.

I try to send the ball or object to the open spaces so that fielders have to move to stop it when I'm
playing offense.

never	some of the time	most of the time
 I maintain an ath not paying attent 	etic ready position and stay focused on the ball. I a ion when I'm playing defense.	m never caught standing up c
never	some of the time	most of the time
3. I move to get in	front of the ball or object when it is hit to my area v	vhen I'm playing defense.
never	some of the time	most of the time
1 I am neady and n	and to back up tooppostor when pacesson when "	m playing defense
4. I am ready and n	nove to back up teammates when necessary when I	m playing defense.

COURSE PHYSICAL EDUCATION		GRADE:	GRADE 6	
STATE STANDARD:	10.5.6 Concepts, Principles and Strategies of Movement		TIME FRAME:	
		E - IDENTIFY AND USE SCIENTIFIC PRINCIPLES THAT AFFECT BASIC MOVEMENT AND SKILLS USING APPROPRIATE VOCABULARY.		
STANDARD STATEMENT	•	F - IDENTIFY AND APPLY GAME STRATEGIES TO BASIC GAMES AND PHYSICAL ACTIVITIES.		

	OBJECTIVES/ESSENTIAL CONTENT	ASSESSMENT	LEARNING ACTIVITIES
	STANDARD STATEMENT E		
	OBJECTIVE: IDENTIFY AND USE SCIENTIFIC PRINCIPLES THAT AFFECT BASIC MOVEMENT AND SKILLS USING APPROPRIATE VOCABULARY.	PROJECT IDENTIFYING SCIENTIFIC PRINCIPLES TO ACTIVITY OF CHOICE.	 Striking/Fielding Invasion Net/Wall
CTICAL GAMES	 DEFINE LEVERS: LEVERS ARE DIVIDED INTO THREE CLASSES. CLASSIFICATION IS BASED ON HOW THE FORCE, RESISTANCE AND AXIS ARE POSITIONED ON THE LEVER IN RELATION TO EACH OTHER. 1st CLASS LEVER: THE AXIS IS BETWEEN THE RESISTANCE AND FORCE. (THINK OF A LEG PRESS MACHINE) 2ND CLASS LEVER: THE RESISTANCE IS POSITIONED BETWEEN THE AXIS AND THE FORCE. (THINK OF A BENCH PRESS MACHINE.) 3RD CLASS LEVER: THE FORCE IS POSITIONED BETWEEN THE AXIS AND 	 TEACHER OBSERVATION FITNESS PLAN LINKING IMPROVEMENT TO SCIENTIFIC PRINCIPLES. 	• TARGET
ION: TA	 RESISTANCE. (THINK OF BICEP CURL, WHERE THE AXIS IS THE ELBOW, FORCE IS TENSION OF MUSCLE IN BICEP, AND RESISTANCE IS THE DUMBBELL IN HAND.) REVIEW NEWTON'S LAWS OF MOTION: 		
UNIT OF INSTRUCT	 Law of Inertia: An object in motion continues in motion and an object at rest remains at rest unless acted upon by a force. Law of Acceleration: Acceleration of an object depends on two things: the mass of an object and the amount of force applied. More force : Greater acceleration More mass: less acceleration with equal force Mass: amount of matter or substance an object is made of Acceleration: any change in motion of an object (speed or direction) 		
	 Law of Action/Reaction: For every action, there is an equal and opposite reaction. 		

RESOURCES:	Objects in Motion: Principles of Classical Mechanics, by Paul Fl Pennsylvania Department of Education Standards Aligned System	eisher (2002), Lerner Publications Company Ms: Health and Physical Education	7, Minneapolis, MI
REMEDIATION:			
ENRICHMENT:			
MOVEMENT. D REVIEW STAT STANDARD S CREVIEW FLIG TRAJECTORY D RELEASE. (THIN JAVELIN) STANDARD S OBJECTIVE: ACTIVITIES. REVIEW GIV OFFENSIVE P (GOES) TO T EXPECTING J REVIEW ON DEFENDS AN OPPONENT. REVIEW PEEL VERBALLY/N	IRECTLY RELATED TO MASS IRECTLY RELATED TO MASS INC AND DYNAMIC BALANCE: TATIC BALANCE: HAVING NO MOTION: BODIES AT REST OR IN EQUILIBRIUM. YNAMIC BALANCE: REQUIRES MOVEMENT. INTER FLIGHT IS WHEN OBJECTS OR PERSON IS PROJECTED IN THE AIR. EPENDS ON THEIR VELOCITY (SPEED, DIRECTION), HEIGHT AND ANGLE OF K OF A BASEBALL PLAYER PITCHING A BALL OR SOMEONE THROWING A INTERMENT F IDENTIFY AND APPLY GAME STRATEGIES TO BASIC GAMES AND PHYSICAL INTERVIEW AND APPLY GAME STRATEGIES TO BASIC GAMES AND PHYSICAL INTERVIEW AND APPLY GAME STRATEGIES TO BASIC GAMES AND PHYSICAL INTERVIEW AND APPLY GAME STRATEGIES TO A TEAMMATE AND CUTS HE BASKET/GOAL, ATTEMPTING TO BREAK FREE OF HIS DEFENDER AND A RETURN PASS FROM THEIR TEAMMATE. E ON ONE: ONE ON ONE IS A GAME STRATEGY WHEN ONE PERSON IOTHER PERSON. ONE ON ONE IS A DEFENSIVE FOR GUARDING AN INTERVIEW INTH YOUR TEAMMATES.	 IDENTIFY THE USE OF THE GAME STRATEGY/TACTIC: ONE ON ONE GIVE AND GO DEMONSTRATE THE USE OF GAME STRATEGIES IN THREE DIFFERENT ACTIVITIES. ONE ON ONE GIVE AND GO PEER/GROUP OBSERVATION PEER COMMUNICATION CHECKLIST 	
REVIEW APP	LICATION OF FORCE: THE AMOUNT OF ENERGY EXPENDED IN A		

COURSE	Physical Education	GRADE:	Grade 6 benchmark assessment for standard e-f		
STATE STANDARD: 10.5.6 CONCEPTS, PRINCIPLES AND STRATEGIES OF MOVEMENT			NE:		
STANDARD STATEMENT	E - IDENTIFY AND USE SCIENTIFIC PRINCIPLES THAT AFFECT BASIC MOVEMENT AND F - IDENTIFY AND APPLY GAME STRATEGIES TO BASIC GAMES AND PHYSICAL ACTI	E - IDENTIFY AND USE SCIENTIFIC PRINCIPLES THAT AFFECT BASIC MOVEMENT AND SKILLS USING APPROPRIATE VOCABULARY. F - IDENTIFY AND APPLY GAME STRATEGIES TO BASIC GAMES AND PHYSICAL ACTIVITIES.			

	OBJECTIVES/ESSENTIAL CONTENT	ASSESSMENT	LEARNING ACTIVITIES
	<u>STANDARD STATEMENT E</u>		
	OBJECTIVE: Identify And Use Scientific Principles That Affect Basic Movement And Skills Using Appropriate Vocabulary.	PROJECT IDENTIFYING SCIENTIFIC PRINCIPLES TO ACTIVITY OF CHOICE.	BOWLINGTARGET STATIONS
	STATIC AND DYNAMIC BALANCE: REINFORCE	Teacher observation	
2	NEWTON'S LAWS OF MOTION: REINFORCE		
AM	Application of force: REINFORCE		
S HOS	• LEVERS: LEVERS ARE DIVIDED INTO THREE CLASSES. CLASSIFICATION IS BASED ON HOW THE FORCE, RESISTANCE AND AXIS ARE POSITIONED ON THE LEVER IN RELATION TO EACH OTHER.		
A	 1st CLASS LEVER: THE AXIS IS BETWEEN THE RESISTANCE AND FORCE. (THINK OF A LEG PRESS MACHINE) 		
	 2ND CLASS LEVER: THE RESISTANCE IS POSITIONED BETWEEN THE AXIS AND THE FORCE. (THINK OF A BENCH PRESS MACHINE.) 		
NSIRUC	 3RD CLASS LEVER: THE FORCE IS POSITIONED BETWEEN THE AXIS AND RESISTANCE. (THINK OF BICEP CURL, WHERE THE AXIS IS THE ELBOW, FORCE IS TENSION OF MUSCLE IN BICEP, AND RESISTANCE IS THE DUMBBELL IN HAND.) 		
5 I			
N	STANDARD STATEMENT F		
	OBJECTIVE: Identify And Apply Game Strategies To Basic Games And Physical Activities.		
	• PEER COMMUNICATION: REINFORCE	PEER/GROUP OBSERVATION	
	BASIC CONCEPTS FOR TARGET GAMES: REINFORCE	PEER COMMUNICATION CHECKLIST	

ENRICHMENT:	 The students will create a journal or log of activities outside of school that are locomotor, non locomotor, and manipulative. The students will watch a college or professional sporting event and list the movement skills that were demonstrated. Assist students havnig difficultury with skills/concepts
REMEDIATION:	 TASK CARDS SHOWING MOVEMENT SEQUENCES TEACHER WORKING WITH THE STUDENT INDIVIDUALLY
	PEER COACHING
	OBJECTS IN MOTION: PRINCIPLES OF CLASSICAL MECHANICS, BY PAUL FLEISHER (2002), LERNER PUBLICATIONS COMPANY, MINNEAPOLIS, MI
	Creating Rubrics for Physical Education, by Jacalyn Lund, AAHPERD Publications (2000), Oxon Hill, MD
	physical best activity guide, by Naspe , human kinetics (2005), champaign, IL
RESOURCES:	Physical Education Assessment Toolkit, by Liz Giles-Brown, United Graphics (2006), Champaign, IL
	Sports and Fitness Nutrition, by Barry Miller and Robert Wildman, Thomason and Wadsworth (2004) Belmont, CA
	Assessment Strategies for Elementary Physical Education, by Suzann Schiemer, Versa Press (2000), Champaign, IL
	Pennsylvania Department of Education Standards Aligned Systems: Health and Physical Education

FORM 7.7	Target	Games-	-Self-Assessment	
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Name

Date _____

most of the time

Directions: Assess yourself by shading in the learning line following each strategy that you use during _____.

I. I am relaxed and able to stay focused on each attempt.

never

some of the time

I do not rush through a shot. I take my time and concentrate on using my best skills.
 ver some of the time most of the time

never

3. I do not get upset with myself when I make a mistake. I assess the performance and attempt to make adjustments on the next trial.

never

some of the time most of the time

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

Name		Date
Directions: Assess yo during	urself by shading in the learning line followin	g each strategy that you use
I. I am relaxed and at	ole to stay focused on each attempt.	
never	some of the time	most of the time
2. I do not rush throu	gh a shot. I take my time and concentrate on usir	ng my best skills.
never	some of the time	most of the time
3. I do not get upset make adjustments of	with myself when I make a mistake. I assess the	e performance and attempt to
	como of the time of	most of the time

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SCIENTIFIC PRINCIPLES ASSESSMENT GRADE 6 BENCHMARK ASSESSMENT 10.5.6.E

FILL IN THE BLANKS

Sir Isaac Newton came up with the three laws of ______. (motion)
 Strength and speed would be two examples of ______ that affect the force the body can produce. (External factors)
 The two types of balance are ______ & _____. (static, dynamic)
 ______ is when an object or person is projected into the air. (flight)
 There are ______ classes of levers. (three)
 The three parts that make up a lever are ______, _____, and ______, and ______. (axis, resistance, force- acronym ARF)

MATCHING

1. Law of Inertia

2. Law of Acceleration

3. Law of Action/Reaction



TEACHER OBSERVATION

STANDARD 10.5.6.E- TCHOUKBALL PSYCHOMOTOR ASSESSMENT

STUDENT NAME	OFFENSE: USING FORCE FOR SHOOTING	DEFENSE: PLACEMENT BASED ON ACTION/REACTION

RUBRIC

	EXCELLENT (RECEIVES STAR)	GOOD (RECEIVES CHECK)	NEEDS IMPROVEMENT (RECEIVES MINUS)	NOT EVIDENT (RECEIVES A QUESTION MARK)
OFFENSE	Analyze shot and amount of force needed to avoid defense, applies varying force- uses action /reaction to determine angle for shot.	Uses both principles but not consistently.	Uses force appropriately but angle needs more work. (or vice versa)	Student was not seen using this skill during game play.
DEFENSE	Analyze offensive positioning and force to position self for block.	Uses both principles but not consistently.	Analyzes force appropriately but angle needs more work. (or vice versa)	Student was not seen using this skill during game play.



DIRECTIONS: We learned about Newton's three laws of motion while enjoying ourselves with (game). Now it is your turn. Choose one, two or three activities you really enjoy. You have to explain an example from that activity for each law.

You may use one activity to describe all three or you can pick a different activity for each law. It is completely up to you.

	EXCELLENT (4 - 5 PTS)	GOOD (3 - 4 PTS)	NEEDS IMPROVEMENT (1-2 PTS)
LAW OF INERTIA	Gave a detailed example of an activity that would demonstrate this law.	Gave a correct example for this law but explanation was not detailed.	Example did not provide an example for this law.
LAW OF ACCELERATION	Gave a detailed example of an activity that would demonstrate this law.	Gave a correct example for this law but explanation was not detailed.	Example did not provide an example for this law.
LAW OF ACTION /REACTION	Gave a detailed example of an activity that would demonstrate this law.	Gave a correct example for this law but explanation was not detailed.	Example did not provide an example for this law.
OVERALL	Project was creative, neat and easy to follow.	Project was neat and easy to follow.	Project did not show much effort.