

CURRICULUM 2

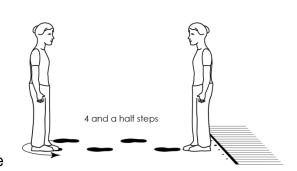


Phase 2 Traditional Four-Step Approach

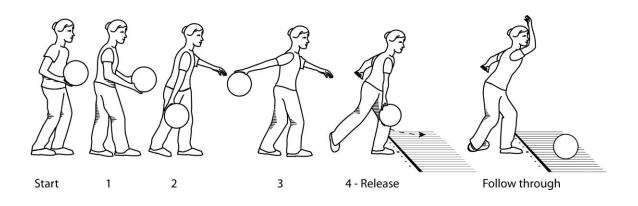
The four-step approach is great for beginning bowlers to develop a sound set of fundamentals throughout a bowling approach.

The bowler:

- Walks to the foul line, turns around and stands with their back facing the pins with the center dot between their feet
- Takes four and one-half steps back from the foul line and turns on their toe to face the pins. This is the starting distance



- Picks up ball from the ball return using both hands on either side of the ball
- Set up in athletic pose
- Places hand in the ball inserting fingers first, followed by the thumb
- (Start) Positions the ball-side elbow at the hip and holds the ball waist level
- (1) Starts the push away and first step (ball-side foot) at the same time. As the ball starts into the swing, the opposite arm goes out to the side for balance
- (2) In the second step the ball swings down near the leg. The swing should be close to the body and straight
- (3) In the third step the ball reaches the top of the backswing
- (4 Release) In the fourth step and while sliding, the ball swings down and is released as it passes the slide foot ankle
- (Follow through) Bowler follows through toward the target, bringing the bowling elbow above the ball-side shoulder, staying in a balanced position watching the ball until it rolls over the target





Phase 2 Spares

Using a Spare System

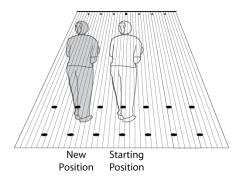
When beginning bowlers understand the basic moves and are using a waking approach, they can learn to use the board numbers and arrows for lining up to shoot spares. Bowlers will move their feet in three board increments. The **3-6-9 Spare System** is a way for bowlers to become more efficient at picking up spares. The following information explains how the system works.

The key pin

The key pin, in most cases, is the pin that is closest to the bowler in any spare combination.

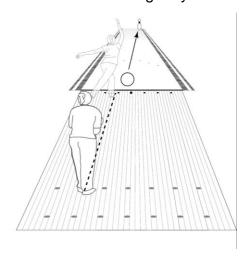
Move feet to a new position on approach

Once the key pin has been determined, the next step is for the bowler to move their feet the proper number of boards to make the spare. If the bowler leaves the No. 1 or No. 5 pin, no adjustment is made.



Face the spare

Once the bowler has moved their position on the approach, they should set up in the stance so the ball-side shoulder and feet are in line with the intended spare. This allows the bowler to shoot at the spare without changing the swing direction. The adjusted position is very slight and it encompasses the feet, knees, hips and shoulders. The bowler looks at the new target and draws an imaginary line through it to the spare.





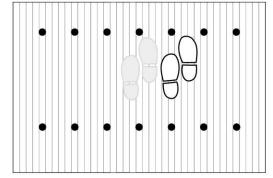
3-6-9 Spare System Adjustment Chart

For spares on the right side of the lane, the bowler moves their feet left, three boards at a time. For spares on the left side of the lane, the bowler moves their feet to the right, three boards at a time. The following chart gives the bowlers the movement for the feet and the target adjustment. This works for both right- and left-handed bowlers.

	Key pin or single-pin conversion	Adjustment of feet on approach	Target Adjustment			
	1 (5)	None	None			
	2 (8)	3 boards right	Between 2nd and 3rd arrow			
*	4	6 boards right	3rd arrow			
	7	9 boards right	Between 3rd and 4th arrow			
	3 (9)	3 boards left	Between 2nd and 3rd arrow			
	6	6 boards left	3rd arrow			
	10	9 boards left	Between 3rd and 4th arrow			

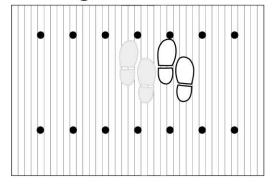
* Example of a 6 board move (4 pin)

Left-handed



Started on 20 moved to 26

Right-handed



Started on 20 moved to 14

(illustration demonstrates, using the inside edge of sliding shoe to line up)



Phase 2 Spare Drills

3-6-9 Circuit

Purpose To teach bowlers the importance of making spares. When they

make more spares, their scores will go up.

Setup Athletic Pose

Instructions Circuit – bowlers shoot the 3, 6, 10, 2, 4, and 7 pins in consecutive

order.

Bowler should shoot spares using the 3-6-9 spare-making method. They will move their feet from their strike starting position. The ball needs to make contact with the intended pin; if it hits another pin first and ricochets to the intended pin, it does not count. Bowler will mark hit or miss on the 3-6-9 tracking sheet. (Repeat 3 times for each pin)

Circuit

Feet Move	Target	Pin
3 Left	Between 2nd and 3rd arrow	3
6 Left	3rd arrow	6
9 Left	Between 3rd and 4th arrow	10
3 Right	Between 2nd and 3rd arrow	2
6 Right	3rd arrow	4
9 Right	Between 3rd and 4th arrow	7

Variation Coach can choose a more suitable target, if necessary.

Coach's NotesCoaches should make sure the bowler's ball is hitting the pin and not ricocheting off another pin. Bowlers should turn in their tracking

sheets so the coach can see what spares need to be improved upon. Coaches should keep records to track each bowler's

progress.



Off the Rack

Purpose To increase the bowler's ability to hit corner pins.

Setup Athletic Pose (page 75)

Instructions Bowler needs to line up to shoot the 10 pin. The object is to knock

down only the 10 pin – to knock it "off the rack". (Best out of 6) Bowler now sets up to shoot the 7 pin and knock only the 7 pin by

itself off the rack (Best out of 6)

Bowler will mark hit or miss on the Off the Rack tracking sheet.

Variations If knocking down the pin by itself is too challenging, switch the

game. Allow the bowler to make contact with the pin next to the 7 or 10 pin. This will count as a hit; coaches can choose a more

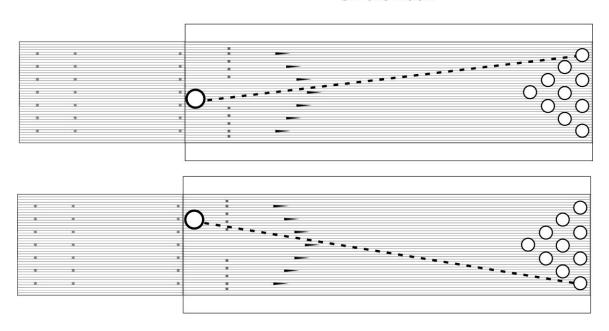
suitable target if necessary.

Coach's Notes Coaches should watch bowlers to make sure they are lining up

correctly and, depending on the variation, make sure the ball is making contact with the intended pin. Bowlers should turn in their tracking sheets. Coaches should keep records to track each

bowler's progress.

Off the Rack





Random Single Pin

Purpose Increase the bowler's ability to make spares.

Setup Athletic Pose (page 75)

Instructions Coach places the following pin numbers in a bag to draw: 2, 3, 4, 6,

7 and 10. Coach will draw a number and the bowlers will need to line up to shoot that spare. Bowler will mark hit or miss on the 3-6-

9 tracking sheet. (Repeat 3 times for each pin)

Variations Bowlers can draw the pin numbers themselves; coaches can

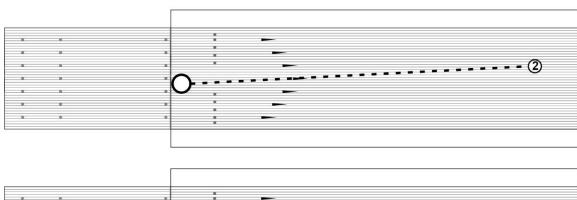
choose a more suitable target if necessary.

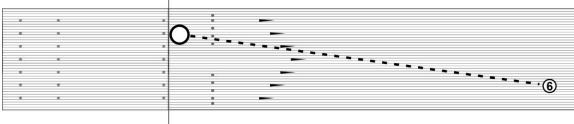
Coach's Notes Coaches need to watch the bowlers to make sure they line up

properly and that the ball makes contact with the intended spare or teammates can watch and make the call. Bowlers should turn in their tracking sheets. Coaches should keep records to track each

bowler's progress.

Random Single Pin







Low Ball

Purpose To increase the bowler's ability to make spares and work on math

skills.

Setup Athletic Pose (page 75)

Instructions Low ball is played as a full game. The bowlers will need to keep

score. The object is to get the lowest score possible.

Bowler tries to take the 7 pin and 10 pin off the rack. The ball must

stay on the lane.

On the first roll, if the bowler rolls a real strike or the ball goes into

the channel, it counts as a strike.

On the second roll, if the ball goes into the channel or does not

make contact with at least one pin, it counts as a spare.

Bowlers keep score on the Low Ball tracking sheet.

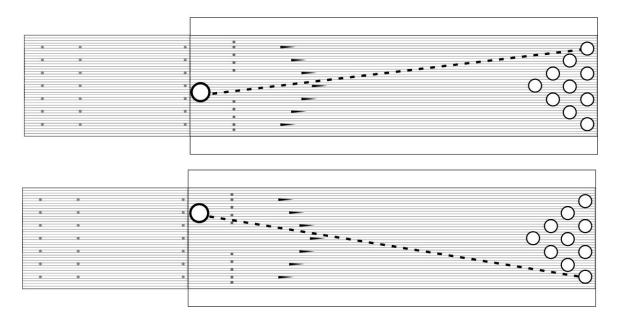
Variations Coaches can choose a more suitable target if necessary.

Coach's Notes Coaches should help bowlers with scorekeeping and make sure the

game is played correctly. Bowlers should turn in their tracking sheets. Coaches should keep records to track each bowler's

progress.

Low Ball



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Phase 2 Off Lane Drill

NERF Football Hook Release

Purpose To teach bowlers about hooking the ball and how it is achieved.

Setup Finish Position

Instruction Two bowlers will be needed for this drill. They will be taking turns

releasing and catching the NERF football. Have the bowlers face each other about 12 feet apart. The bowler with the football starts by placing their thumb above the seam with the fingers below. They will swing the football back and, as it comes forward, they will release it trying to create an underhand spiral. The key is to release the thumb first from the football and rotate it with the

fingers. (Repeat tossing the ball back and forth)

Variations If they have trouble holding their balance, bowlers can use the

Staggered Stance Setup or, to make it more challenging, have them use the one-step approach (refer to the one-step finish

position drill) ending in a balanced finish position.

Coach's Notes The coach should make sure the bowlers are releasing the football

in an underhand spiral and assist if needed. Foam footballs come in

various sizes; have at least two sizes available for your bowlers.





Phase 2 Targeting Drills

Bull's-eye Arrow

Purpose Teaches bowlers to keep their eyes on their target until the ball rolls

over it.

Setup Athletic Pose

Instructions Coach chooses arrow for target. A spotter stands behind the

bowler in the settee area and watches the ball go down the lane and assigns points based on how close it is to the target. Bowlers

keep score on Bull's-eye Arrow tracking sheet (Best out of 6)

Points:

3 Direct Hit - Ball rolls over arrow

2 Just Missed – Ball rolls next to arrow (right or left)

1 I So Missed – Ball rolls between arrows (right or left)

0 Complete Miss - Ball rolls over the arrow next to it

Variations Coaches can use Post-It-Note tabs to make it easier for the spotter

to determine if the ball went over the intended target.

Coach's Notes Coaches should observe bowlers and spotters to make sure they

are scoring correctly. Bowlers should turn in their tracking sheet.

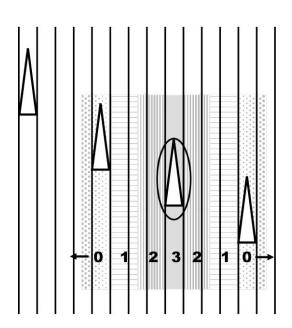


Diagram illustrates points based off the target being the second arrow



Random Arrow

Purpose To help bowlers become comfortable and confident shooting at

different targets.

Setup Athletic Pose

Instructions Coach places the arrow numbers in a bag to draw: 1, 2, 3 or 4.

Coach draws a number and the bowlers need to line up to shoot at that target. The ball needs to roll over the target to score a hit. Bowlers will mark hit or miss on the Random Arrow tracking sheet.

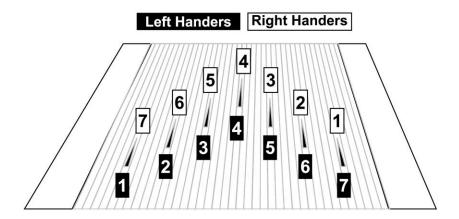
(Best out of 6)

Variation Bowlers can draw the arrow numbers themselves. Coach also can

use between arrows (example: between second and third arrow).

Coach's Notes Coaches should make sure bowlers line up properly for the

intended target. Bowlers should turn in tracking sheets.





Croquet Targeting

Purpose Flags make it easier for children to see where the ball is actually

rolling and it teaches bowlers to keep their eyes on their target.

Setup Athletic Pose

Instructions Using the targeting device (Refer to instructions on how to build

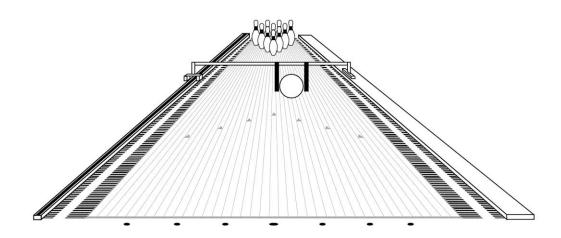
targeting device). Coach places two flags about 10 boards apart. The bowler must roll their ball between the targets without hitting the flags. Bowlers will mark hit or miss on the Random Arrow

tracking sheet (Best out of 6)

Variations Post-It-Note tabs can be used in place of targeting device.

Coach's Notes Coaches should make sure bowlers line up properly to roll the ball

between the targets. Bowlers should turn in tracking sheets.



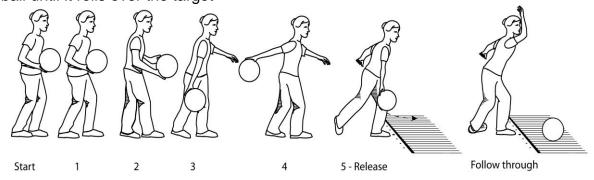


Phase 2 Five-Step Approach

The five-step approach can be challenging at first, as the five-step delivery is a developed skill. It will take practice to develop a consistent delivery.

The bowler:

- Walks to the foul line, turns around and stands with their back facing the pins with the center dot between their feet
- Takes five and one-half steps back from the foul line and turns on their toe, to face the pins. This is the starting distance
- Picks up ball from the ball return using both hands on either side of the ball
- Set up in athletic pose
- Places hand in the ball, inserting fingers first, followed by the thumb
- (Start) Positions the ball-side elbow at the hip and holds the ball waist level
- (1) Begins the approach by taking a small step forward with the slide foot without moving the ball
- (2) Starts the push away and the second step (ball-side foot) start at the same time. As the ball starts into the swing, the opposite arm goes out to the side for balance
- (3) In the third step the ball swings down near the leg. The swing should be close to the body and straight
- (4) In the fourth step the ball reaches the top of the backswing
- (5 Release) In the fifth step and while sliding the ball swings down into the release. Releasing the ball as it passes the slide foot ankle
- (Follow through) Bowler follows through toward the target, bringing the bowling elbow above the ball-side shoulder, staying in a balanced position watching the ball until it rolls over the target



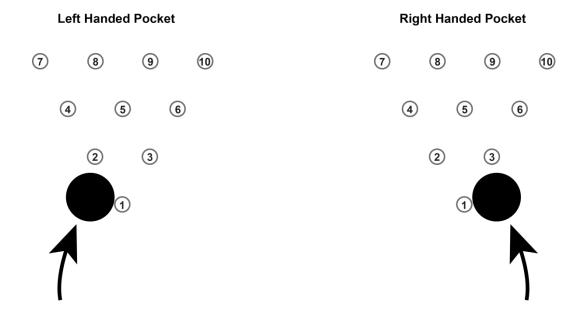


Phase 2 Lane Play

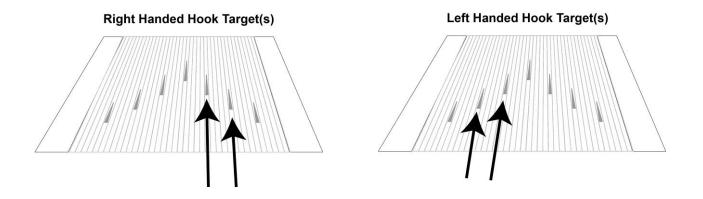
Strike Pocket

As a bowler's skill advances, a hook ball can be learned (refer to page 56, Hand Position Release phase 2). The challenge is learning to control the direction of the shot.

A bowler's best opportunity to get a strike (knock down all 10 pins on the first roll) is to have the ball hit the pocket. For right-handed bowlers, the pocket is the area between the No. 1 and No. 3 pins, and for left-handed bowlers between the No. 1 and No. 2 pins.



The bowler's target should be either the second or third arrow, depending on how much the ball is hooking. Right-handers will line up their feet to the left of the target and lefthanders will line up their feet to the right side of the target.

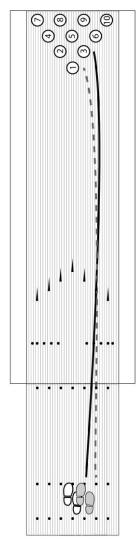


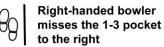


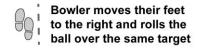
Adjusting

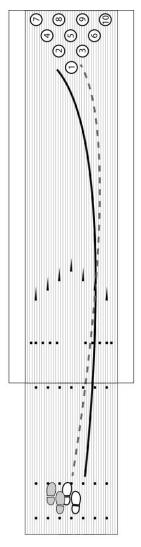
Moving the feet the direction the ball missed the pocket is the simplest correction for beginning bowlers to use. Changing the position of the feet on the approach and keeping the same target on the lane will create a different angle to the pocket.

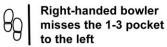
If a right-handed bowler misses the strike pocket to the right, they should move their feet to the right on the approach, keeping the same target. The same moves apply to left-handers.

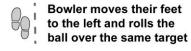














Phase 2 Physical Game Drills

Balance Arm

Purpose To keep the bowler's shoulders and torso still during the approach,

and act as a counter-balance.

Setup Athletic Pose

Instructions Bowler stands on the approach at the locator dots. The bowler will

move the ball out and down while taking the first step. Before the push away reaches full extension, the opposite hand will leave the ball and go out to the bowler's side in a smooth motion while

keeping it waist-high for balance.

Once the opposite hand leaves the ball, they should allow the ball to go into a free swing. As the ball comes forward, the bowler takes a second step and catches the ball, supporting it once again with

both hands. (Repeat six times).

Variation(s) If a bowler starts with their slide foot, they will hold the ball still

> during the first step, then move the ball out and down while taking their second step with the ball-side foot and continue as instructed

above.

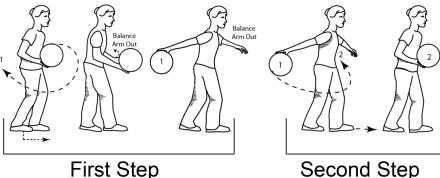
If the bowler has trouble moving the ball and foot together, the coach can assist by standing next to the bowler and pushing lightly

on the ball as the bowler's ball-side foot steps forward.

Coaching Notes Coaches should check the height and direction of the ball start.

The ball should move straight out and then move in a downward motion. The bowlers should keep their bowling hand underneath the ball, while supporting the weight with the opposite hand (balance arm) until the ball starts its downward motion. balance arm should move smoothly out to the side, staying at waist-level. The ball should be swinging freely without extra force

and minimum movement to the bowler's shoulders and torso.



First Step

Page **1** of **5**



Stationary Shoulder

Purpose To teach bowlers the feel of a free ball-swing and to discourage

pulling the ball down from the top of the backswing.

Setup Athletic Pose

Instructions This drill requires an assistant to hold the bowler's ball-side

shoulder, keeping it still while the bowler swings the ball. (This drill is based on a four-step approach so the bowler's first step will be with the ball-side foot) The bowler will move the ball out and down while taking their first step. Before the push away reaches full extension, the opposite hand (balance arm) will leave the ball and

go out to the side, keeping it waist-high for balance.

Once the opposite hand (balance arm) leaves the ball, the bowler should allow the ball to go into a free swing, and as the ball comes forward, the bowler takes a second step and catches the ball,

supporting it once again with both hands. (Repeat six times).

Variation If the bowler starts with their slide foot, they will hold the ball still

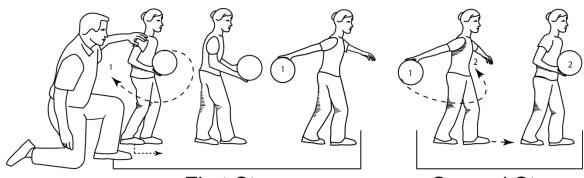
during the first step, then move the ball out and down while taking their second step with the ball-side foot and continuing as

instructed above.

Coaching Notes Coaches should check to make sure the assistant is not pushing

the shoulder back. The shoulder should remain still while the ball

swings back and forward.



First Step

Second Step



Release

Purpose To teach the bowler the feel of rolling the ball off the hand to create

revolutions. They should see the ball rolling down the lane, not

skidding.

Setup Finish Position

Instruction The bowler stands a few inches from the foul line. Once the bowler

is in position, they start the swing and the opposite hand (balance arm) will leave the ball and go out to the side, keeping it waist-high

for balance.

The bowler lets the ball swing from the shoulder. Once the ball is at the bottom of the swing, the bowler will roll the ball off their

thumb and fingers (Repeat six times).

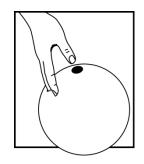
Variations If the bowler has trouble holding the finish position use The

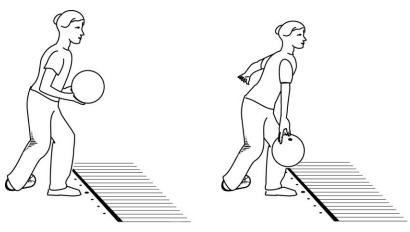
Staggered Stance Setup.

Coach's Notes Coaches should watch the bowler's release and make sure the

thumb came out of the ball first and that the bowler is rolling the ball

with their fingers.







Head Still

Purpose To teach the bowlers to watch the ball roll over their target. If a

bowler is pulling the ball back and forward with their armswing and their head moves, or if they are moving their head to look down at the foul line dots, they will not be able to keep their eyes on the

intended target.

Setup Staggered Stance

Instructions Coach chooses arrow for target. The bowler lines up and places a

ball cup on their head. The ball cup must remain on the bowler's

head as they swing and release the ball (Repeat six times).

Variations Use desired setup

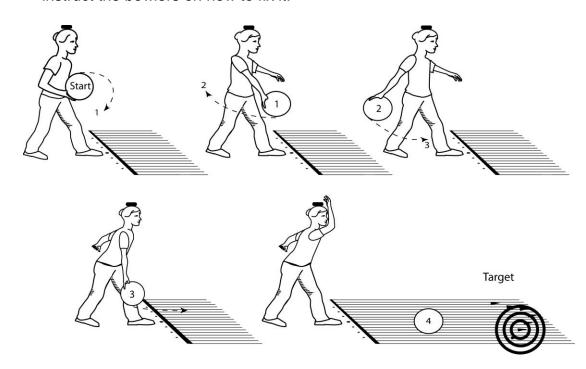
Coaches also can have the bowler use their full approach.

If bowler has trouble keeping the ball cup on their head while using

a bowling ball, let them practice the approach without the ball.

Coaching Notes

Coaches should watch to make sure the bowlers keep their head still and their eyes on their target. Check to make sure their armswing is smooth and swinging freely. If the ball cup falls off, coaches need to determine when and why it fell off, and then instruct the bowlers on how to fix it.





One-Step Finish Position

Purpose To teach the bowlers the feel of a balanced finish position.

Setup Athletic Pose

Instructions Coach chooses arrow for target. Bowler starts one and one-half

steps from the foul line. Once the ball is in motion, and before the push away reaches full extension, the opposite hand (balance arm) will leave the ball and go out to the side, keeping it waist-high for

balance.

The bowler will let the ball swing from the shoulder. Once it reaches the top of the backswing, the bowler will step with their slide foot and, as the ball goes into the downswing, the bowler will swing the ball-side foot around behind them, ending in the finish position and holding their balance until the ball reaches the pins or

leaves the lane. (Repeat six times).

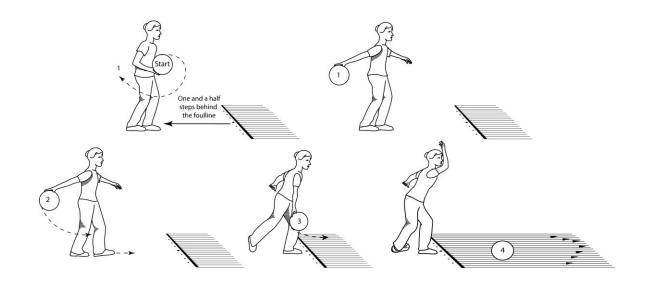
Variations If the bowler has trouble ending in the finish position have them

finish in the staggered stance.

Coach's Notes Watch the bowler's step to make sure it does not move until the ball goes into the downswing and that they are stepping forward using

the correct leg. The bowler should remain in a balanced finish

position until the ball reaches the pins or leaves the lane.





Phase 2 Personal Equipment

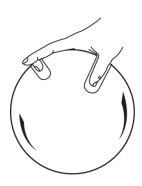
High-Performance Ball

The covers of these bowling balls have a resin additive and hook more than plastic balls. This type of bowling ball can be found in weights ranging from 10 to 16 pounds and are recommended once a bowler has established solid fundamentals and can keep the ball in play.

Before purchasing a bowling ball, bowlers should consult an International Bowling Pro Shop and Instructors Association (IBPSIA) certified pro shop professional.

Fingertip Grip

This fit will give the bowler the ability to create a larger hook when released properly. The middle and ring fingertips are inserted to the first joint, followed by the thumb, which is placed all the way to the base. This grip should only be used once the bowler has established solid fundamentals and can keep the ball in play.





Phase 2 Footwork

Footwork (Modified for armswing)

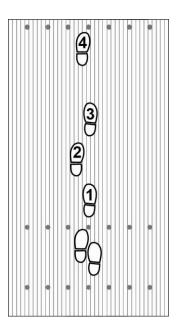
The bowler's first step of a four-step delivery will slightly cross in front of the other foot. This helps the armswing stay in a straight line.

The second step also will go slightly left as the ball needs to clear the ball-side leg.

The third step goes straight as the ball goes into the top of the backswing.

The fourth or slide step will go toward the ball path as the ball comes down from the top of the backswing into the release.

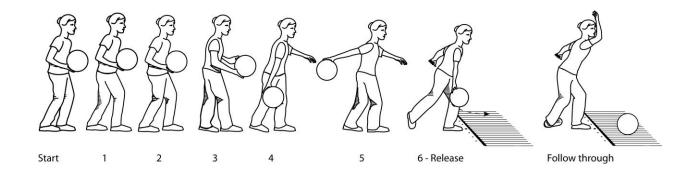
Once again, the most important factor with footwork is balance throughout the delivery.





Phase 2 Multiple-Step Approach

When bowlers use more than four steps, the initial push away is based upon the fourstep approach. So, as mentioned in the five-step approach, the bowler will begin the push away on step two; in the six-step approach, the push away starts on step three, and so on.





Phase 2 Bowler Evaluation

Directions: Coaches give each player a check mark \checkmark for areas that need improvement. Repeat the checklist as needed.

Coaches: Remember that your bowlers will have individual styles and you should work with your bowlers to help them become successful and confident.

Name	Date				
Bowling ball fit Picks up ball safely from ball return Carries ball with two hands to start Places hand in ball properly (finger Setup in stance Ball position (right, left, high, low) Upper-body posture position (spine Lower-body posture (alignment of I Ball hand position (under ball, firm Opposite hand supports ball weigh Ball start direction Ball start and timing of step Ball start neight Opposite arm goes out to side for the Ball position at end of second step Opposite arm position at end of second step Opposite arm position at end of third step Opposite arm position at end of third step Opposite arm position at slide Wrist stays firm throughout swing at Finish position (Hips and shoulders Head stays level and still throughout Armswing stays close to side throut Armswing is free and loose Backswing height Hand position at release Release (is the ball released before Balance at foul line (until the ball reference to the second staget Bowler uses lane courtesy	ing position s first, then thumb) e tilt) nips, knees, feet) wrist) t calance cond step rd step and release s in line with target) ut approach ghout swing e or after the foul line)				
Coaches Notes:					
CUALITES NUIES.					



Phase 2 Tracking Sheets

3-6-9 Spare Drill / Random Single Pin Tracking Sheet

ame					Date		
Pin	Feet move from strike starting position	Target		H= M=N Sho	liss	H=Hit M=Miss Shot #2	H=Hit M=Miss Shot #3
3	3 Left	Between 2	nd and 3rd arro	ow			
6	6 Left	3	rd arrow				
10	9 Left	Between 3	Brd and 4th arro	w			
2	3 Right	Between 2	nd and 3rd arro	ow			
4	6 Right	3	rd arrow				
7	9 Right	Between 3	Brd and 4th arro	w			
ame		Off the	Rack – Trac	cking Shee	t Date		



Bull's-eye Arrow – Tracking Sheet

Name	;							Date		
Arrow	/Targe	t Ch	osen_							
Points Description Direct Hit – Ball rolls over arrow Just Missed – Ball rolls 1 board to the right or left of arrow I So Missed – Ball rolls in-between arrows, right or left (If target is first arrow it would be between the lane edge and so Complete Miss – Ball rolls over the arrow next to it, right or left (If target is first arrow it would be in the gutter or over the second								and seco or left	•	
	Shot	#	1	2	3	4	5	6	Total Point	s
	Poin		<u> </u>		3	7			Tome	3
				Rand		w / Croqi cking Sh	_	eting		
Name		ot Δre	ea Ch	nsen				Date		
AIIUW	raige	H= M=l	ea Cno Hit Miss ot #1	H=Hit M=Miss Shot #2	H=Hit M=Miss Shot #3	H=Hit M=Miss Shot #4	H=Hit M=Miss Shot #5	H=Hit M=Miss Shot #6	Total Points	



Low Ball Score Sheet

Nam	е						_		Date		
											Total Pins
	1	2	3	4	5	6	7	8	9	10	
Game											
1				1							
	1	2	3	4	5	6	7	8	9	10	
Game											
	1	2	3	4	5	6	7	8	9	10	
Game											

Rules

Bowler must try and hit only the 7 pin and 10 pin with the two rolls allowed per frame. (or knock down as few pins as possible)

Bowler writes in the number of pins knocked down in the small boxes and totals the score in the larger boxes.

2	3	1	2
5)	8	3

A real strike on the first roll counts as a strike.

A ball that goes into the channel (gutter) on the first roll is marked as a strike.

A ball that goes into the channel (gutter) on the second roll is marked as a spare.

A ball that does not make contact with any of the remaining pins standing is marked as a spare.