# Sport Stacking with Speed Stacks









# Sport Stacking Instructor Guide

By Speed Stacks®



# Introduction

#### Welcome

Sport stacking with Speed Stacks is an exciting individual and team sport where participants of all ages and abilities stack and unstack specially designed cups in specific patterns. This guide will help you easily start a sport stacking program with your group or enhance your existing sport stacking program.



The World Sport Stacking Association (WSSA) is the official governing body for the sport. The WSSA promotes the development of Stack Meets, Clubs, Leagues and Tournaments. Speed Stacks is the leader in sport stacking and the official equipment of the WSSA.





- An integral part of more than 40,000 Physical Education programs
- A sport practiced in 54 countries worldwide and involving more than 10 million students of all ages
- An official sanctioned sport of the Amateur Athletic Union and participating sport in the Junior Olympic Games



#### **SPORT STACKING IS TAUGHT AND ENJOYED IN:**

- Physical Education Programs
- Classrooms as a brain energizer
- Adapted PE programs
- After School & Church Programs
- Clubs: Many programs elect to form clubs that meet regularly and compete in Stack Meets and Tournaments
- Camps and Recreation Programs







All content © 2014 Speed Stacks Inc. All rights reserved.







#### **Benefits**

**Sport stacking is a fitness based sport** that appeals to kids from all backgrounds and abilities. For the athlete and non-athlete alike, sport stacking is a great activity for promoting fitness, achievement and inclusiveness.

#### **RESEARCH PROVEN BENEFITS INCLUDE:**

- Improved hand-eye coordination & reaction time
- Right, left brain activation / bilateral coordination
- Exercise for the body and energizer for the brain
- Focus, concentration, and ambidexterity
- Moderate to Vigorous Physical Activity (MVPA)

Visit SpeedStacks.com for a full list of benefits and studies.

## Standards & Accountability

Sport stacking with Speed Stacks meets all **SHAPE National Standards (1-5)** for Physical Education. In addition, studies have linked sport stacking with improved academic performance.

Speed Stacks is proud to be associated with the following organizations:

















# Contents

# Sport Stacking Instructor Guide: (What to expect)

#### Printed and Online:

This guide is meant to be used with the Instructional Videos (online or DVD). To fully use this guide you must:

- Access videos at SpeedStacks.com/teach
- Watch the Instructional Videos
- Review the lessons
- Watch the Activity Videos
- Teach the lessons

#### The Lessons:

The lessons cover the three patterns in sport stacking; the 3-3-3, the 3-6-3 and the Cycle as well as timing the patterns and an informal competition. Each lesson includes objectives and may incorporate the use of the Speed Stacks StackMat (mat and timer), which allows stackers to time themselves. Lessons are designed to be learned with the help of videos at SpeedStacks.com/teach.

#### Fitness Stacking:

Activities are designed to get your stackers moving and reinforce sport stacking techniques. Depending on available time, they can be repeated or combined. We offer suggested activities for each lesson, or you can choose from the list provided on page 18.

#### The Group Order (GO):



As you activate your Sport Pack Warranty and set up your online account, please remember to set up your Group Order. Much like classroom teachers encourage reading at home through book-club purchases, you can encourage your stackers to be active and fit at home by ordering Speed Stacks gear through our Group Order Process. Earn FREE equipment for your program and your stackers will save 25% on their favorite sport stacking gear.

#### Competition:

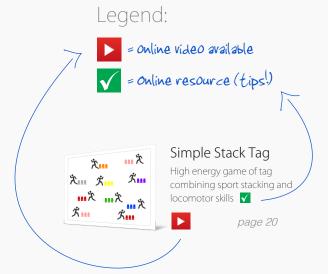
Providing your stackers with the opportunity to use the Speed Stacks StackMat offers a great sense of achievement. When stackers see how quickly they improve, it develops the drive to get faster. We have outlined two different options for competition and provided you with the tools to make it simple and fun for all.





#### Lessons:

Page	6	Lesson 1: The 3-3-3
	8	Lesson 2: The 3-6-3
	10	Lesson 3: The Cycle (Part 1)
	12	Lesson 4: The Cycle (Part 2)
	14	Lesson 5: Stacker Time
	16	Lesson 6: Stack Out



#### Activities / Time Sheets:

Page <b>19</b>	Fetch 12	Page	29	Hound n' Rabbit
20	Simple Stack Tag		30	Indy 500
21	Triple Up/Down Relay		31	Continuous Table Relays
22	Rock, Paper, Scissors		32	4-Person Competition Table Relay
23	Stackers and Blasters		33	Stack Bowling
24	March Madness Final 4		34	Partner Fitness Challenge
25	End Line / Straight Line Floor Re	elay	35	Flexibility Stacking
26	SwitchBack		36	Strength Stacking
27	Survivor		37	Time Sheet
28	Around the Table			

## Sport Stacking Resources:

Page **38** Stacking Beyond the Classroom

**39** Additional Equipment



1 set of Speed Stacks for every stacker 1 banquet-style table to lead instruction

#### Instructor Preparation:

> Watch online Video

- Watch the 3-3-3 Instructional Video:
  - Learn how to teach stackers the 3-3-3.
  - Understand the mirror technique for easy class follow along.
- Choose a lesson activity or activities:
  - Watch the activity video.
  - Read the instructions.
- Teach the lesson.

# Objectives

- Learn the 3-3-3 pattern and sport stacking rules. (National PE Standards 1-3)
- Participate in a sport stacking aerobic activity. (National PE Standards 1-5)

## Teach: (10 minutes)

Play the 'Sport Stacking Sizzle' to inspire your stackers.



#### Teach the 3-Stack

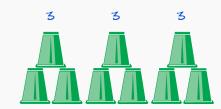
- One set of three cups in front of stackers, put remaining nine behind.
- Use the mirror technique for class to follow along with the instructor.
- Use both hands.
- Lead with dominant hand.
- Hands on sides of cups (not tops).
- Light, soft touch... slide, don't slam.





#### Teach the 3-3-3

- Have stackers set a downstacked 3-3-3 in front of them.
- Together, upstack each 3 stack then "freeze", go back to where you started, then together, downstack each 3.
- Repeat the 3-3-3 several times, calling out cues and keeping stackers together.
- Have stackers practice. Walk around and check for proper stacking technique. (Using both hands, start on one side and work to the other, go back to the beginning)







# Practice: (5-10 minutes)

Use the practice activities below to build confidence and fundamentals among your new stackers. Integrate some simple stacking and flexibility activities to warm up your stackers for the lesson activity. (pages 35-36)

#### Race the Instructor

- Stackers start with hands resting flat on the ground or table (imaginary touch pads).
- Stackers stack once, you stack two times.
- Stackers raise their hand once the 3-3-3 is completed.
- Focus on form, not speed with this learning activity.
- Acknowledge fumbles and remind stackers to fix their fumbles when they happen.

#### Strength & Flexibility Stacking pages 35-36



# Fitness Activities: (10-20 minutes)

Lesson activities are meant to offer movement and reinforce sport stacking techniques. Depending on available time, these can be repeated or combined. Use the suggested activities below or choose from the complete activity list on page 18.

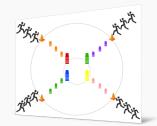


#### Simple Stack Tag

High energy game of tag combining sport stacking and movement skills



page 20

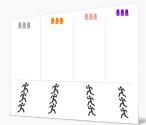


#### Triple Up, Triple Down

Team-based activity designed for movement and motor skill activation



page 21



#### End Line Floor Relays

High energy collaborative team stacking race that's focused on movement and team cooperation



page 25



#### Stack n' Pass

Collaborative stacking game that builds the fundamentals and quickness of sport stacking



Online Resource

**Your Choice:** Look ahead to Lesson 5 for detailed instructions on how to integrate the Speed Stacks StackMats (mat and timer) into your sport stacking program. Timing is great for tracking progress, training for a competition, personal challenges and self improvement.

#### Equipment:

1 set of Speed Stacks for every stacker 1 banquet-style table to lead instruction

#### Instructor Preparation:

> Watch Online Video

- Watch the 3-6-3 Instructional Video: ▶
  - Learn how to teach your stackers the 3-6-3.
  - Understand the mirror technique for easy class follow along.
- Choose a warm-up review activity and fitness activities:
  - Watch the activity video.
  - Read the instructions.
- Teach the lesson

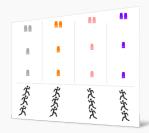
## Objectives

- Learn the 6 stack, 3-6-3 pattern, team relays, and how to fix fumbles. (National PE Standards 1 & 3)
- Demonstrate the 3-6-3 in fitness acitivities. (National PE Standards 1-5)

# Warm Up / 3-3-3 review: (10 minutes)

Start with a fitness activity. This will prepare your stackers for the lesson by warming them up and getting them focused.

**Doubles option:** have stackers pair up and stack as doubles. The stacker on the right uses only their right hand, stacker on the left uses only their left hand; they stack together following all standard rules of the pattern.



#### Straight Line Floor Relay

High energy collaborative team stacking race that's focused on movement, team cooperation, and motor skills



page 25



#### Stackers and Blasters

Fun movement activity that focuses on exercise and fundamental stacking skills



page 23





# Teach: (15 minutes)

#### The 6-Stack

- Demonstrate a 6-stack to your stackers.
- With three cups, practice dropping one cup at a time into the palm of your non-dominant hand.
- Practice picking three cups up with dominant hand; two with the other; leave one (upstack using the 3-2-1 method).
- Downstack in two moves-slide out and down, then pop on center cup.
- Have stackers practice just the 6-Stack.

#### Teach the 3-6-3

• All cups in a downstacked 3-6-3.

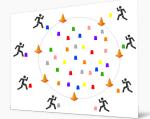


- Use the mirror technique.
- Upstack the 3-6-3 together then "freeze", go back to where you started, then downstack together.
- Repeat several times.
- Have stackers practice for a few minutes; walk around and check for proper stacking technique.
- Review fumbles and how to fix properly.

**Your Choice:** To integrate timing, turn to Lesson 5. Lesson 5 provides hands-on experience with the Speed Stacks StackMat (mat and timer), which is used to time each stacker. Time and record stackers now, wait until Lesson 5, or do both and measure stacker skill improvement.

## Fitness Activities: (15 minutes)

Activities are designed to offer movement, integrate new skills, and reinforce sport stacking techniques. Depending on available time, these can be repeated or combined. Use the suggested activities below or choose from the complete activity list. (page 18)



#### Fetch 12

Simple activity to warm up stackers and review stacking patterns



page 19



Online Teaching Tip

#### SwitchBack

Team based activity that incorporates running and stacking guaranteed to get the heart racing



page 26



**STACK** @ **HOME** - This is the perfect time to hand out GO brochures and remind your stackers that they can save 25% on their favorite sport stacking gear. Stackers and parents should know that your school wins with FREE equipment on every order stackers make. Please communicate with your parents and let them know about the GO and their deadline for order submission. If you haven't set up your GO, you still have time. Go to SpeedStacks.com/go to get started!



# The Cycle (Part 1) Lesson 3

**Equipment:** 

1 set of Speed Stacks for every stacker 1 banquet-style table to lead instruction

The Cycle is the premiere stack and arguably the most fun of all the patterns. To simplify teaching your stackers, we've broken the Cycle lesson into two parts. In this lesson you'll learn the 6-6 and the two transitions. In Part 2 you'll learn the 1-10-1 and how to put it all together!

#### Instructor Preparation:

- Watch the Cycle Instructional Video:
  - Know how to stack the Cycle.
  - 3-6-3 to 6-6 to 1-10-1 to 3-6-3.
  - Understand the mirror technique for easy class follow along.
- Choose a lesson activity or activities:
  - Watch the activity video.
  - Read the instructions.
- Teach the lesson.

## Objectives

#### Stackers will:

- Participate in vigorous sport stacking fitness activities demonstrating proper stacking techniques (National PE Standards 1, 3 & 5)
- Practice positive sportsmanship with peers in a competitive activity (National PE Standards 4 & 5)

# Warm Up / Review: (5 minutes)

Prepare your stackers to learn Part 1 of the Cycle with a fitness activity.

**3-6-3 Relay option:** Introduce the 3-6-3 Relay by dividing your class into teams of four stackers. Each team will complete the 3-6-3 pattern at tables in relay form. ✓

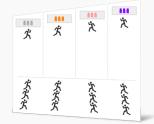


#### Simple Stack Tag

High energy game of tag combining sport stacking and movement skills



page 20



#### 4-Person Competition Relay

A competitive activity with running, stacking, and team cooperation

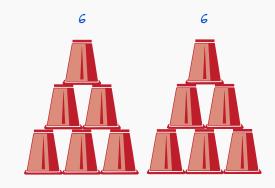


page 32

# Teach: (10 minutes)

#### The 6-6

- Demonstrate and review the 6-6 using the 3-2-1 method.
- Stackers practice upstacking and downstacking the 6-6.
- Walk around and check for proper stacking technique.
- Demonstrate and practice together as a class.
- Play a fitness activity using the 6-6.





#### The Two Transitions

- 3-6-3 to 6-6:
  - All upstack a 3-6-3.
  - Back to the beginning and downstack a 3-6-3. Stop.
  - Using one hand, downstack this last three and bring it over to the first 3-Stack.
  - Using the 3-2-1 method, upstack the first 6-Stack, then the second 6-Stack.
  - Repeat several times. Call out cues and keep everyone together.
- 6-6 to 12 cup column:
  - Downstack the first 6-Stack keeping three cups in each hand.
  - Use the cups in your hands to downstack the second 6-Stack.
  - Two moves slide out and pop on center, ending in one column of 12 cups.
  - Repeat with the second transition several times.
- Now combine ALL of the above (3-6-3 to 6-6 to column of 12 with the two transitions).
- Practice several times.



## Fitness Activities: (approx time: 10 minutes)

Activities are designed to offer movement, integrate new skills, and reinforce sport stacking techniques. Depending on available time, these can be repeated or combined. Use the suggested activities below or choose from the complete activity list. (page 18)



#### Switchback

Team-based activity that incorporates running and stacking. Guaranteed to get the heart racing



page 26



#### Partner Fitness Challenge

Fitness activity that gets bodies moving and brains working



page 34



#### Stack Bowling

High intensity, individual fitness stacking game that's fun and easy to play



page 33



#### Indy 500

Race around the track for partner fitness fun



page 30

# The Cycle (Part 2) Lesson 4

#### Equipment:

1 set of Speed Stacks for every stacker 1 banquet-style table to lead instruction

## Instructor Preparation:

- Watch the Cycle Instructional Video.
- Know how to stack the second half of the Cycle.
- 1-10-1 to 3-6-3.
- Understand the mirror technique for easy class follow along.
- Choose an activity or activities.
- Watch the activity video.
- Put it all together (3-6-3 to 6-6 to 1-10-1 to 3-6-3).

# Warm up: (5 minutes)

Review the 3-6-3 to 6-6 and the two transitions with Stackers and Blasters.



#### Rock, Paper, Scissors

Classic fun and fitness in this simple sport stacking activity



page 22

# Objectives

#### Stackers will:

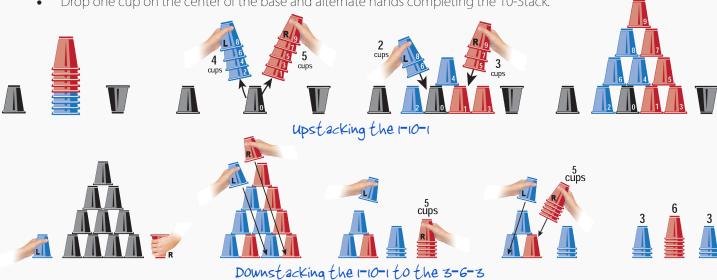
- Learn the 1-10-1 and transition to the 3-6-3 (National PE Standards 1-2)
- Demonstrate stacking the complete Cycle Stack from start to finish (National PE Standards 1 & 5)
- Participate in a sport stacking fitness activity (National PE Standards 3-5)

# Teach: (10 minutes)

#### Upstacking the 1-10-1

- Demonstrate the 1-10-1 (column of 12 to 1-10-1 to downstacked 3-6-3).
- Begin with a 12-cup column. Pick up the top two cups, one in each hand.
- Turn one cup (180°) palm out and place both cups down. Practice several times.
- Upstack using the 5-4-1 method. Dominant hand takes five cups, non-dominant hand takes four cups, one cup is left behind.
- Dominant hand leads by placing one cup next to the remaining cup, non-dominant hand follows by placing one cup on the other side. Form a base of 4 cups this way.

Drop one cup on the center of the base and alternate hands completing the 10-Stack.





#### • Downstacking the 1-10-1

- Demonstrate the downstack showing the 'X' formation.
- Pick up the two single cups with the same hand positions used to set them down and raise above the 10-Stack.
- Slide the cups in your hand down diagonally, leading with your dominant hand, following with your non-dominant hand.
- Your dominant hand keeps five cups and your non-dominant hand keeps one cup (releasing three).
- Your non-dominant hand now leads and slides the cup in your hand down over the remaining two outer cups. Your dominant hand follows and places five cups over the remaining center cup, ending in a downstacked 3-6-3.



## Table Stacking

Round up standard banquet tables or go to the cafeteria. They've learned the basics of stacking, now it's time they perfect their skills on table tops.

- Set tables in rows (2-4 stackers per table).
- Walk around and watch for proper technique.
- Introduce the StackMat and rotate stackers for individual timing opportunities.



#### Around the Table

Warm up your stackers' hands and minds while stacking around the table



page 28

## Fitness Activities: (approx time: 15 minutes)

Activities are designed to offer movement, integrate new skills, and reinforce sport stacking techniques. Depending on available time, these can be repeated or combined. Use the suggested activities below or choose from the complete activity list. (page 18)

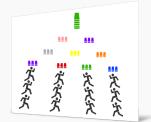


#### Survivor

Don't get caught in this movement and skill-based movement activity



page 27



#### March Madness Final 4

Strategy and fitness activity that adds a competitive element to stacking



page 24



Now is a good time to remind your stackers about your school GO. Remind them and their parents about your GO deadline so they can complete their order selections. Remember, by promoting your GO, more stackers can be active at home and your program can earn more equipment (10% of the total order). Your stackers save 25% and your program benefits! Everyone wins! Make sure you are monitoring your GO progress online and please call Speed Stacks directly at 1-877-468-2877 with any questions.

# Stacker Time Lesson 5

Timing is great for tracking progress, training for competition, developing personal challenges, and encouraging self-improvement. Use stacker times to seed competition (page 16) or enter stacker times into our online portal for interactive graphs, personal comparison, goal setting and printable certificates / record lists.

#### Instructor Preparation:

- Print class time sheets (page 37) (1 time sheet = 30 students).
- Set up activity stations for stackers.
- Choose an event (3-3-3, 3-6-3, Cycle, Doubles, Timed Relay). (see online resource for Doubles and Timed 3-6-3 Relay) ✓

## Pattern review: (10 minutes)

Review and practice the pattern as a group.

#### Review Fitness and Timing Stations

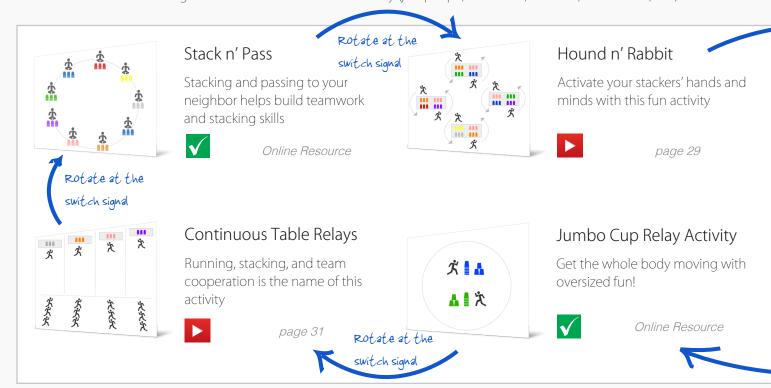
- Divide stackers into activity groups.
- Stackers will rotate through all stations.
- Explain / demonstrate each station.

# Objectives

- Demonstrate use of a StackMat by timing oneself. (National PE Standards 2 & 3)
- Compete using all three sport stacking patterns correctly. (National PE Standards 1-3)
- Establish and improve personal achievements. (National PE Standards 4 & 5)

## Fitness Stations:

Divide your stackers into equal groups (4-8 stackers per group) and choose which activities below to offer based on the total number of groups in your class. Explain each activity station to your stackers and educate them on the Timing Station flow. Feel free to offer non-stacking activities in the circuit to add variety (jump rope, basketball, scooters, soccer balls, etc.).





## Time Station:

#### Time Your Stackers

- Introduce timing rotation.
- Stackers rotate from warm-up table to on-deck table to timing table back to warm-up table until all stackers are timed.
- Stackers get three attempts and best time is recorded.

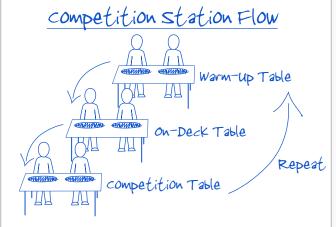
• Record times on time sheet or into the Speed Stacks online system.

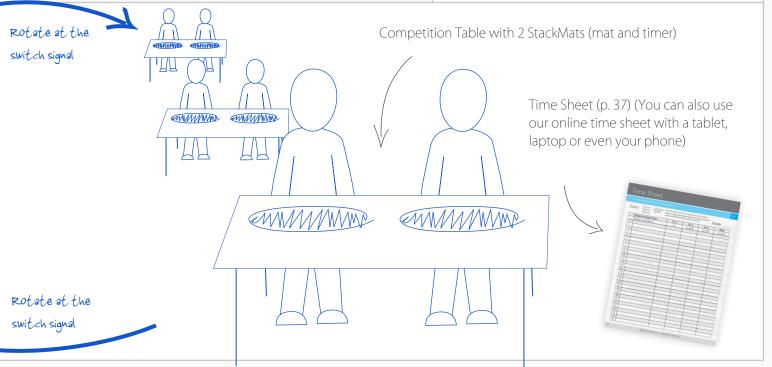




#### Use Times For:

- Coaching individuals on technique
- Measuring personal improvement
- Goal setting
- Seeding competition
- Class / school records





# Stack Out Lesson 6 (competition introduction)

#### **Equipment:**

4 tables (2 mats and sets per table) Optional: add timers and TD Pros

A simple and fun introduction to team-based sport stacking competition that won't isolate slower stackers.

#### Instructor Preparation:

- Determine the number of stackers per group.
- Set up tables (with StackMats optional).
- Choose one of the competitive events (3-3-3, 3-6-3, or Cycle).

# Objectives

- Demonstrate sport stacking techniques in a competitive setting. (National PE Standards 1, 3 & 5)
- Demonstrate positive sportsmanship in a competitive setting. (National PE Standards 4 & 5)

# The Lesson:

#### Step 1 (Overview)

- Review how to use StackMat (optional).
- Divide your class into equal teams (eight stackers per team), 4 tables.
- Set up tables (two stackers per table, groups of eight is ideal).
- Each group will then "Stack Out", one group at a time, as described below.

#### Step 2 (Stack Out Rules)

Anyone not at the tables becomes a spectator and cheers on the competing stackers.

- 1. All stackers in the competing round take their place at the tables to warm up before the Stack Out begins.
- 2. On the 'go' signal, they will stack a specified event (your choice). The slowest two stackers become their group's cheer section (in the event of a "photo finish" ✓ only the stackers in question will compete again against each other).
- 3. Think of each group as a team... the first round is designed to determine the fastest two stackers on each team. Slower stackers who have been stacked out now become the team supporters and cheer on their team in the following rounds
- 4. Repeat the above steps with all groups until you have the top two stackers from each team.
- 5. Combine the qualifiers into one large finals group (or into groups that fit on the tables) and run the Stack Out as described above until you have the top two stackers.
- 6. The top two stackers will compete against each other in the best two out of three (use the middle two tables, one stacker per table).
  - Recommended: Use StackMats to prevent photo finishes. Use Tournament Display Pros if available.

#### Additional Options

- Visit SpeedStacks.com/teach for several other competition options for your stackers including brackets, Stack Meets, WSSA recognized or WSSA sanctioned tournaments.
- Offer stacker challenges such as ladder competition and S-T-A-C-K. ✓ (see online resources)

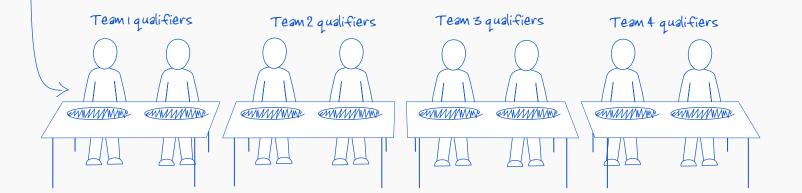


#### Stack Out Prelims

# • Call up a group to the tables. • Each round 1 or 2 of the slowest stackers are eliminated. • Continue until 2 stackers are remaining (they qualify for finals). • Run each group until only the finalists remain.

#### Stack Out Finals

- Top 2 from each group advance to the finals.
- Run the Stack Out as usual combining all qualifiers from each round.
- Once you are down to the top 2 stackers, run the best 2 of 3 to determine the Stack Out winner.



# Activities

Fun and beneficial activities that incorporate sport stacking

#### Fitness Activities / Time Sheets:





Page 19	Fetch 12	Page	29	Hound 'n Rabbit
20	Simple Stack Tag		30	Indy 500
21	Triple Up/Down Relay		31	Continuous Table Relays
22	Rock, Paper, Scissors		32	4-Person Competition Table Relay
23	Stackers and Blasters		33	Stack Bowling
24	March Madness Final 4		34	Partner Fitness Challenge
25	End Line / Straight Line Floor Re	elay	35	Flexibility Stacking
26	SwitchBack		36	Strength Stacking
27	Survivor		37	Time Sheet
28	Around the Table			

# Helpful Hints:

- All activities are available online in an easy to print format SpeedStacks.com/teach
- Watch the fitness activity online to learn how each activity is played.
- Enrich the activity by using the activity variations.



Simple activity to warm-up stackers and review stacking pattern

Grades **K+** 



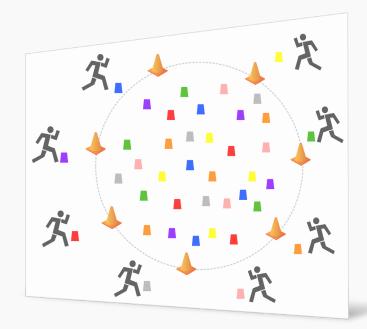
#### Equipment

- One set of Speed Stacks for every stacker
- Perimeter markers or cones

#### Set Up

Establish a perimeter with markers or cones. Build the perimeter as large as possible. Each stacker sets one cup on the floor outside of the perimeter and this cup is now their 'home base'.

Stackers then place their remaining 11 cups randomly inside the activity area. It's best to have colors mixed up and not clustered together. Once the stackers are finished placing their cups inside the activity area, they go back to their home base and wait for the 'go' signal.



#### How to Play

On the 'go' signal; stackers move in and out of the activity area collecting one cup at a time and returning it to their home base. The cups they collect must be the same color as their home base cup. Once stackers have retrieved all 11 cups, completing their set of 12, they stack a designated pattern, and then signal their completion by raising their hand.

#### Rules

- If a stacker knocks over a cup while they're inside the activity area they must fix that cup by placing it upright.
- If a stacker has retrieved a cup and then knocks over another cup inside the activity area, they must set their retrieved cup on the floor, fix the knocked over cup, then run back and touch their home base, before they can resume play.

- Choose an alternative locomotor skill for retrieving the cup like skipping or hopping.
- Choose a variety of stacking patterns or number of repetitions (3-3-3, 3-6-3, Cycle).
- Have stackers work in pairs stacking Doubles (Doubles stacking is when two stackers stack together. The stacker on the right is the right hand, and the stacker on the left is the left hand).

# Simple Stack Tag



High energy game of tag combining sport stacking and movement skills

Grades **K+** 



#### Equipment

• One set of Speed Stacks for every stacker

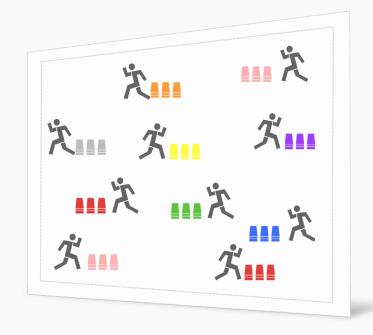
#### Set Up

Have stackers stand in random positions throughout the activity area with their Speed Stacks in front of them in a downstacked position. Determine which pattern will be stacked (3-3-3, 3-6-3, 6-6, 1-10-1, Cycle).

## How To Play

In this game of tag, every player is 'it'.

On the 'go' signal, stackers chase and tag other players. A stacker who gets tagged must move to the nearest set of Speed Stacks and stack the designated pattern. Once the stacker has completed stacking, they may reenter the game and continue playing.



#### Rules

- If a stacker knocks over a cup or cups they must replace them in their original position.
- Because all players are considered 'it', the player to get tagged first is required to run to the nearest set of Speed Stacks upstack and downstack the pattern before reentering the game.

- Choose an alternative locomotor skill such as skipping or hopping.
- Choose a different stacking pattern, or number of repetitions stackers must stack, once they have been tagged.
- Hot Potato: Time 15-30 second intervals ending in a 'stop' signal for stackers to not get caught stacking.



# Triple Up/Triple Down Tower Relay

Team based activity designed for movement fur

Grades **K+** 

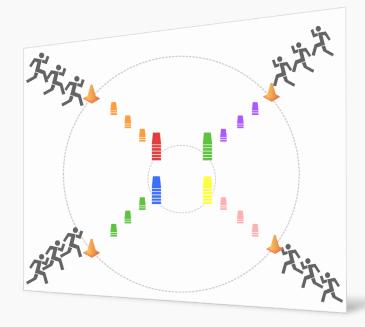


#### Equipment

- Six Speed Stacks Jumbos per team
- One set of Speed Stacks per team
- One cone or marker per team

#### Set Up

Begin by placing each team's set of Jumbos in the center of the gym. In this example we're going to set up the relay as a starburst design. Next, place a downstacked 3-3-3 starting three feet away from the center Jumbos. Space cups evenly apart and set cones or markers around the outside perimeter to represent the starting line for stackers.



#### How To Play

On the 'go' signal, the lead stacker upstacks the 3-3-3 pattern advancing toward the center Jumbos. Once the Jumbos are reached, the stacker takes one Jumbo and sets it on the ground, then runs back to tag the next stacker in line. The next stacker downstacks the 3-3-3 pattern and sets the next Jumbo cup on top of the previous one, stacking them end-to-end creating a tower. This pattern is repeated until all Jumbos are stacked in tower form. Remember, prior to reaching the Jumbos, each stacker is either upstacking the 3-3-3 or downstacking the 3-3-3 pattern, not both. Once the final Jumbo is placed, completing the tower, team members raise their hands in the air signifying their team's completion.

#### Rules

- Stackers must keep their feet behind the starting cone/marker until they are tagged by the returning stacker.
- If a stacker knocks over a cup(s) they must fix it to its proper position before continuing the race.
- If the Jumbo tower is knocked over, the stacker must fix the tower before continuing.

- Set up different patterns of cups on the path to the Jumbos (3-6-3, 6-6, etc.).
- Have stackers upstack and downstack on their way to and from the Jumbos.
- Have stackers up and downstack the Jumbo tower.
- Stack a Jumbo pyramid up/down at the end line.

# Rock, Paper, Scissors



Classic fun mixed with fitness and sport stacking in this simple game

Grades **K+** 



#### Equipment

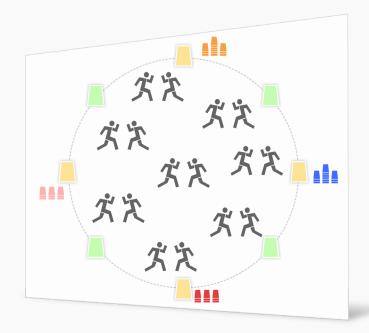
- One set of Speed Stacks Stack Spots or activity poly spots
- One to three sets of Speed Stacks for each stacking spot

## Set Up

Place the Stack Spots in a large oval on the floor to establish the activity area; be sure there's enough space inside the oval to comfortably fit every stacker. Place 1-3 sets of Speed Stacks in downstacked position near the stacking spots. Stackers inside the activity area partner up and stand back to back.

#### How To Play

On the 'go' signal stackers turn around, face their partner and play a round of Rock, Paper, Scissors. Whoever wins the round runs to a Stack Spot and completes the activity, on the spot. Once they've completed the activity, they run back into the activity area, find a new partner and play another round of Rock, Paper, Scissors. Stackers who don't win Rock, Paper, Scissors find a new partner and play again.



#### Rules

• Winning players must alternate between a Stack Spot or activity spot each time they win a round.

#### **Variations**

• To make this activity more movement-based, substitute hand signals in Rock, Paper, Scissors to full body signals.







# Stackers and Blasters

Fun movement activity that focuses on exercise and fundamental stacking skills

Grades **K+** 

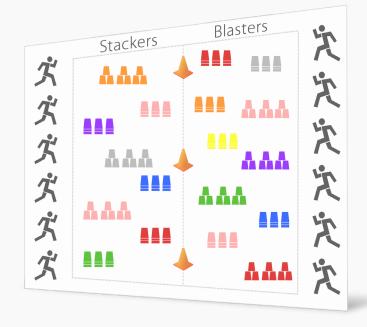


#### Equipment

• One set of Speed Stacks for each stacker

#### Set Up

Divide stackers into two teams. One team is the Stackers and one team is the Blasters. Each stacker gets a set of cups. Stackers set their cups in the upstacked position and Blasters set their cups in the downstacked 3-6-3 position. Make sure the upstacked and downstacked cups are randomly spread throughout the activity area. Once the cup set-up is complete, the Stackers and the Blasters teams line up on opposite sides of the gym.



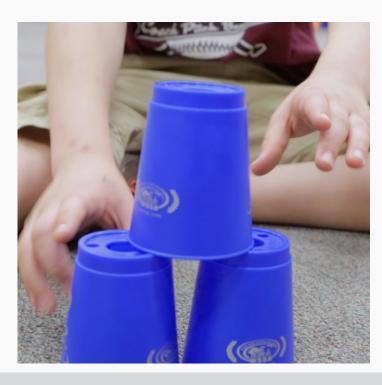
#### How To Play

On the 'go' signal both teams run into the activity area. The Stackers upstack the downstacked cups; the Blasters downstack the upstacked cups. After a minute or less of game play, signal to 'stop' the game. Upon the signal, all Stackers and Blasters must finish upstacking or downstacking their cups. The winning team is determined by who has more upstacked, or downstacked cups. Because downstacking is typically faster, allow the Stackers a 5-10 second head start against the Blasters.

#### Rules

If a stacker accidentally knocks over a set of cups, they
must return them to their original position before
continuing the activity.

- Switch the roles of the Stackers and the Blasters so that each player receives an opportunity to upstack, or downstack.
- Direct players to use various locomotor skills to move between upstacking/downstacking duties.
- Have stackers perform fitness exercises (sit-ups, pushups, flexibility) when upstacking or downstacking cups.



# March Madness Final 4



Strategy and fitness activity that adds a competitive element to stacking

Grades 1+

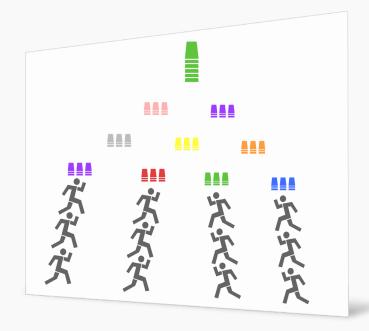


#### Equipment

- Nine sets of Speed Stacks per setup
- Six Speed Stacks Jumbos

## Set Up

Place four sets of Speed Stacks in a downstacked 3-6-3 pattern in a row. Place three sets of Speed Stacks about six feet up in a downstacked 3-6-3. Then walk forward another six feet and place two sets of Speed Stacks in the 3-6-3. Finally place six Jumbo cups in column form six feet from the last row. The setup should be a pyramid shape. When placing the sets in each row separate them so that stackers can easily move in between them.



#### How To Play

The object of March Madness Final 4 is to be the fastest stacker through the first, second and third row reaching the Jumbos first.

To play March Madness Final 4, separate your stackers into four lines placed directly behind the first row of four sets. On the 'go' signal the first four stackers begin upstacking and downstacking the first row of 3-6-3. Since there are only three sets of Speed Stacks in the second row, the first three stackers to finish stacking will move up and begin stacking. The slowest stacker simply returns to a line and joins in when it's their turn. The remaining stackers in the game continue stacking and moving up the ranks until the fastest stacker reaches the Jumbo cups. The fastest stacker gets to stack one of the Jumbos into the designated pyramid or tower. The next round of stacking begins on the instructors 'go' signal. The fastest stacker returns back to a line to resume play.

#### Rules

 If any stacker knocks over or fumbles a set of cups they must return them to their original position before moving forward.

- Set up several pyramids around the activity area. These pyramids are where the fastest stackers pair up against each other for headto-head competition. As stackers race each other they can rotate to another triangle and face a new challenger.
- Choose a different stacking pattern (3-3-3, 3-6-3, Cycle).



# End Line / Straight Line Floor Relay

High energy collaborative team stacking race that's focused on movement and team cooperation

Grades **K+** 



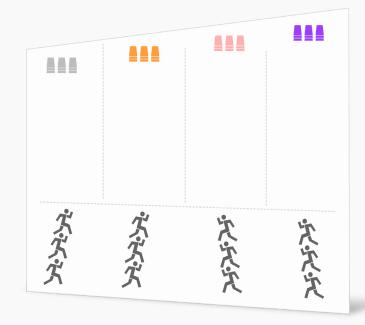
#### Equipment

- One set of Speed Stacks for every team
- Floor markers or cones.

#### Set Up

Establish relay lanes with markers or cones. Make the lanes wide enough so that stackers can move freely as they run up and down their lane.

Once lanes are established, one stacker from each relay team places downstacked cups of the predetermined pattern at the end cone of their lane or spaced equally down the lane (straight line). Stackers then form single file lines behind the start line and wait for the activity to begin.



## How To Play

On the 'go' signal, the lead stacker in each lane runs to their set of cups to upstack and downstack. Once they've completed the pattern, they run back to the start line and activate the next team member with a hand tag. Repeat this pattern until every team member has a turn. Stackers signify their completion by sitting on the ground in their line.

#### Rules

- All fumbles must be fixed and cups must be downstacked before tagging the next stacker in line.
- Stackers waiting to go must remain behind the start line until the returning stacker activates them with a hand tag.

- Run a continuous relay for a set amount of time.
- Stackers upstack the cups in one direction and downstack them on the way back to the start line.
- Challenge your stackers by stacking Doubles (Doubles stacking is when two stackers stack together. The stacker on the right is the right hand, and the stacker on the left is the left hand).
- Use scooters or different locomotor skills.
- Add manipulatives like jump rope or ball skills for increased movement.
- Use Speed Stacks Jumbos.

# Switchback



Team-based activity that incorporates running and stacking

Grades K+

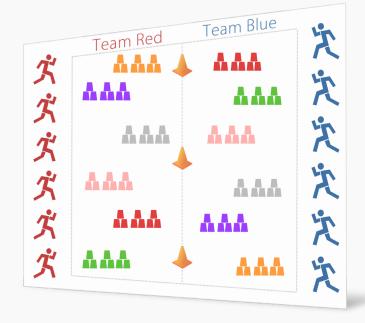


#### Equipment

• One set of Speed Stacks for every stacker

#### Set Up

Divide your stackers into two teams and assign each team one half of the activity area as their side. Each stacker upstacks a designated pattern somewhere in their half of the activity area before the game begins. All stackers go to their respective baselines and wait for the race to begin.



## How To Play

On the 'go' signal, stackers run to the opposing team's side, downstack any set of cups, pick those cups up and run back to their side to upstack them. Stackers continue running back to the other team's side to downstack, collect cups and bring them back to their side to upstack. The winning team is determined by the team that has the most upstacked sets in their half on the 'stop' signal.

#### Rules

- Stackers may not touch a set of cups that another stacker is upstacking.
- Stackers may not wait next to a stacker who is upstacking.

- Pair stackers up and stack as Doubles teams. The stacker on the right side uses only their right hand and the stacker on the left side uses only their left hand.
- Use a different locomotor skill.
- Begin the game with downstacked sets of cups so stackers upstack and downstack before taking the cups to their half.
- Perform fitness exercises (sit-ups, pushups, flexibility) when upstacking and downstacking.



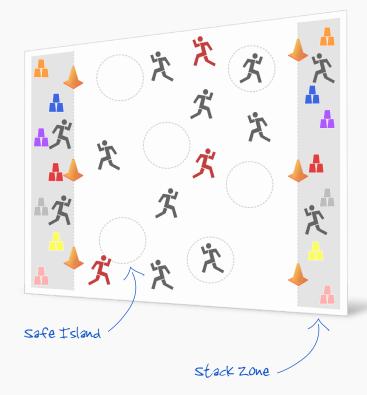


#### Equipment

- One Sport Pack or 15-20 sets of Speed Stacks
- Four to six hula hoops
- Eight to ten cones or floor markers
- Pinnies or scrimmage vests

#### Set Up

Scatter the hula hoops in the activity area to create "Safe Islands". Place cones or floor markers to separate the Activity Area from the Stack Zone, which is located on both ends of the activity area. Designate four stackers to be "Captors". The remaining stackers are the "Survivors", who move within the Activity Area, avoiding the captors. Within the Stack-Zone boundary, Survivors place 8-10 downstacked sets of Speed Stacks. Determine which pattern will be stacked.



## How To Play

On the 'go' signal, Survivors try to avoid being tagged by the Captors. Survivors can enter a Safe Island. Only one Survivor can be on each island and they can only remain there for 3 seconds. Captors must remain at least five feet back from a Safe Island when there is a Survivor taking refuge. When a Captor tags a Survivor, the Survivor must immediately enter the Stack Zone and complete the predetermined stacking pattern the specified number of times. Survivors leave the Stack Zone once they have completed stacking and return to the Activity Area to avoid being tagged.

#### Rules

- Survivors may seek refuge on a Safe Island one at a time for a maximum of three seconds.
- Captors may not guard a Survivor seeking refuge on a Safe Island.

- Survivors that have been captured stack in the Stack Zone, but return to the Activity Area as Captors; the activity ends when there is only one Survivor left.
- Use different locomotor movements.
- Change the Stack Zone pattern or number of repetitions.
- Add fitness activities, Jumbos, or Speed Stacks Stack Spots in the Stack Zone.

# Around the Table



Warm up your stackers' hands and minds while stacking around the table

Grades K+

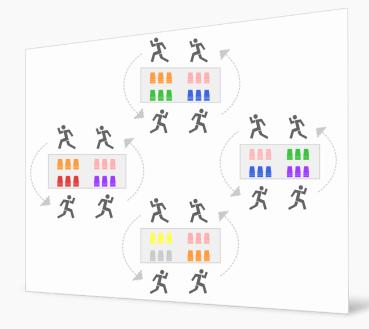


#### Equipment

- One set of Speed Stacks for every stacker
- One table for every four stackers

## Set Up

Place tables so stackers can easily move around the table's perimeter. Place stackers four to a table with their cups downstacked in front of them and their hands resting on the table surface.



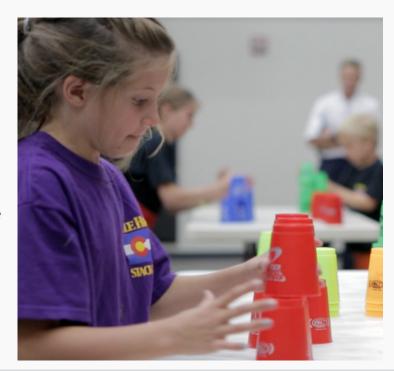
#### How To Play

On the 'go' signal, stackers upstack and downstack the determined pattern. Once all the stackers at a table complete the pattern, they move around the table to their right (counter clockwise) and begin stacking the next set of Speed Stacks. Stackers continue to stack and change positions around the table until you give the 'stop' signal.

#### Rules

- Make sure the proper stacking technique and patterns are followed.
- All fumbled cups must be fixed properly.
- Stackers may not pass each other.

- On the verbal 'switch' cue, stackers change their rotation and begin moving in a clockwise direction.
- Line a number of tables end to end and expand the 'Around the Table' stacking to accommodate a large group.
- Time the group using a StackMat after one complete rotation. One stacker starts and stops the StackMat after the single rotation.



# Hound 'n Rabbit

Activate your stackers' hands and minds with this fun activity

Grades **K+** 

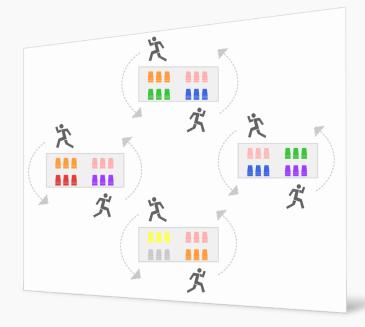


#### Equipment

- One set of Speed Stacks for every stacker
- One table for every four stackers

#### Set Up

Place tables so stackers can easily move around the table's perimeter. Place stackers two to a table on opposite sides diagonally across from each other with their cups downstacked and hands resting on the table. Designate one stacker as the 'Hound' and the other as the 'Rabbit'.



#### How To Play

On the 'go' signal, each stacker upstacks and downstacks their set of cups. Once they've completed the set pattern, stackers rotate clockwise to the next set of cups and repeat the stacking pattern. The object is for the Hound to catch the Rabbit as they stack around the table. The Rabbit's goal is to not get caught by the Hound. Once the Hound catches the Rabbit or vice versa they'll switch roles.

#### Rules

- Stackers must make sure the proper stacking technique and patterns are followed.
- All fumbled cups must be fixed properly.

- Set a time limit for the Hound and Rabbit to switch roles.
- Stack different patterns.
- Move winning Hounds to different tables.



Race around the track for partner fitness fur

Grades K+

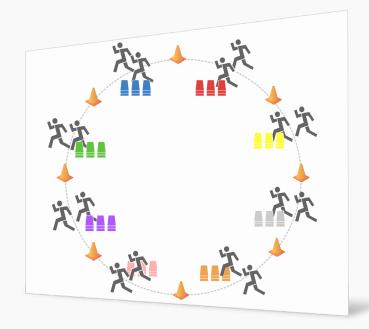


#### Equipment

- One set of Speed Stacks for each stacker pair
- One set of Speed Stacks Stack Spots

## Set Up

Create a large oval randomly placing fitness and stacking spots along with sets of Speed Stacks cups in the center of the activity area. Pair off stackers and designate one as the Pit Crew member (inside the oval) and one as the Driver (outside of the oval).



#### How To Play

On the 'go' signal, the Drivers race around the perimeter of the oval performing a predetermined locomotor movement while Pit Crew members stack a predetermined stacking pattern. On the instructor's "Pit Stop" signal, the Drivers find their partner Pit Crew and switch roles. During the race the instructor calls out different stacking patterns for the Pit Crew to perform and alternate locomotor movements for the Drivers.

#### Rules

- Stackers must make sure the proper stacking techniques and patterns are followed.
- All fumbled cups must be fixed properly.
- Drivers may pass other drivers, but crashes are not allowed.

- Integrate ball handling skills for the Drivers (basketball, soccer balls).
- Instruct Drivers to race a set number of laps before switching with the Pit Crew member.



# Continuous Table Relays

Running, stacking, and team cooperation is the name of this activity

Grades **K+** 

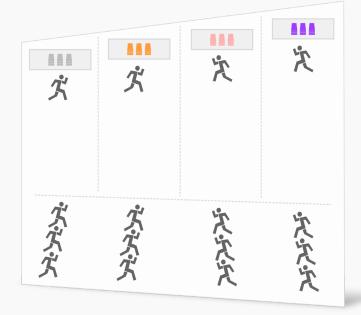


#### Equipment

- One set of Speed Stacks for every stacker
- One table for up to four teams

## Set Up

Set tables in a row, place two to four sets of Speed Stacks on each table (replicate for as many teams as you have). Relay teams may have two to four members. Relay teams line up single file with the lead stacker starting at the table and the remaining team members behind the start line, seven feet back.



#### How To Play

On the 'go' signal, the lead stacker upstacks and downstacks the predetermined pattern while the remaining relay team members wait in single file behind the starting line. Once the lead stacker completes the stacking pattern, they run towards the waiting stacker and activate them with a hand tag to enter the race. Stackers continue to take turns stacking until the 'stop' signal.

#### Rules

- Stackers must make sure the proper stacking technique and patterns are followed.
- All fumbled cups must be fixed properly.
- Waiting stackers may cross the starting line once the returning stacker activates them via hand tag.

- Change the stacking pattern.
- Have stackers repeat the pattern twice before activating the awaiting stacker.
- Add ball handling skills (basketball, soccer ball).
- Move the starting line back and incorporate jump ropes.
- Two Minute Drill see how many laps or stacks can be completed in 2 minutes.

# 4-Person Competition Table Relay

A competitive activity with running, stacking, and team cooperation

Grades **K+** 

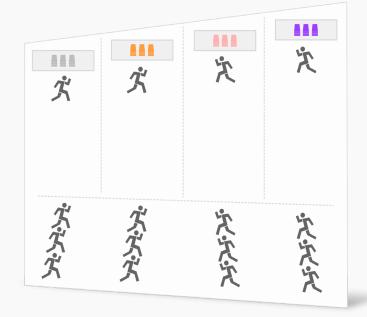


#### Equipment

- One set of Speed Stacks for every stacker
- One table for every eight stackers
- One StackMat per team (optional)

#### Set Up

Divide your stackers into relay teams with four stackers per team. Set the tables in a row and place two sets of Speed Stacks on one side. Relay teams line up single file with the lead stacker starting at the table and the remaining team members behind the start line, seven feet back.



#### How To Play

On the 'go' signal, the lead stacker begins stacking the predetermined pattern with the remaining relay team stackers waiting in single file behind the starting line. Once the lead stacker completes the stacking pattern they run back and activate the next stacker by stepping on or over the 7 foot start line. Teams continue stacking until the fourth member completes their stacking pattern and stops the StackMat (StackMats are encouraged, but not required).

#### Rules

- Stackers must make sure the proper stacking techniques and patterns are followed.
- Returning stackers step on or over the seven foot starting line to activate the awaiting stacker.
- All fumbles must be fixed properly.

- Switch the pattern to 3-3-3, 3-6-3 or Cycle depending on the stacker's ability.
- Set up a mini tournament with a single or double elimination bracket for head-to-head competition.



# Stack Bowling

High intensity, individual fitness stacking game that's fun and easy to play

Grades 1+

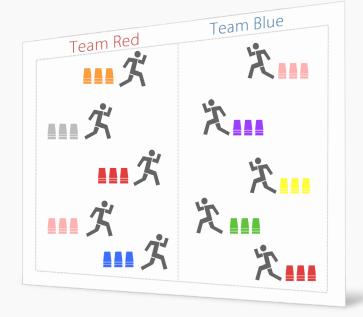


#### Equipment

- One set of Speed Stacks for every stacker
- One Yarn or Gator Skin Ball for every two-three stackers

#### Set Up

Divide the class into two teams, each team on one half of the activity area. Each stacker upstacks a 10-Stack with the remaining two cups stacked end to end on top randomly in the activity area.



#### How To Play

The goal is for stackers to protect their stack while trying to knock the opposing team's down. On the 'go' signal, stackers guard their stacks as they roll their balls to the opposite side in an attempt to knock over their opponent's stacks. If a stack gets knocked over in part, or completely, the stacker must gather all of their cups, switch sides of the activity area and rebuild their stack of cups. The goal is for stackers to protect their pyramid while trying to knock the opposing team's down. The side with the most stackers when the stop signal is given wins.

#### Rules

- Stackers must stay on their side of the activity area while bowling and can only cross over the line if their cups get knocked over and they are switching sides.
- The ball must be bowled underhand no throwing or bouncing.
- Bowlers may not intentionally knock over a stacker's cups until it is finished being built.

- Form two 6-Stacks, or a 3-Stack.
- Have stackers use their non-dominant hand for bowling.
- If a stacker's stack gets knocked over, send them to a fitness zone area to complete an activity before re-entering the game and switching sides.

# Partner Fitness Challenge



Fitness activity that gets bodies movino

Grades K+

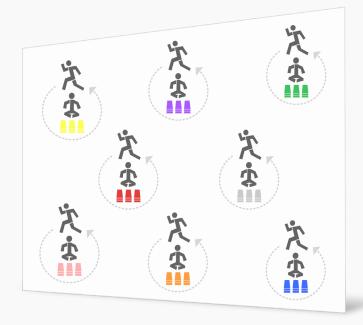


#### Equipment

- One set of Speed Stacks for each stacker pair
- One stopwatch

#### Set Up

Pair up stackers and give each pair a set of Speed Stacks. Spread the stacker pairs around the activity area with a minimum arm distance apart from other pairs. One stacker from each pair starts as the stacker, in a down position with their hands flat on the floor, and the other stacker as the 'exerciser', standing in front of their partner ready to perform an exercise or specified movement activity.



#### How To Play

On the 'go' signal the stacker starts stacking the designated pattern while the exerciser performs a specified movement. The stacker counts how many times they do the pattern, while the exerciser performs the specified movement. After 20-60 seconds, the stop signal is given and the stacker and exerciser exchange their counts and switch roles. Continue, change stacking patterns and movement activities.

#### Rules

• Stackers must properly complete the stacking pattern and fix all fumbles properly to be counted.

- Use the entire activity area for the exerciser.
- Add manipulatives (dribbling basketball, jump rope, etc.).
- Add Speed Stacks Stack Spots and rotate pairs.
- Use music to start and stop the activity.

# Flexibility Stacking

Grades **K+** 



## Lunge & Stack

Assume a forward lunge position. Set out a downstacked 6-Stack inside the forward foot. Perform the upstack while in the lunge position. Bring the forward foot back and lunge with the opposite foot and then downstack. Repeat several times.

#### Windmill/Toe Touches (with a twist)

Set up two downstacked 6-Stacks by each foot. Feet will be shoulder-width or farther apart, knees slightly bent, hands on hips. Instructor designates the pattern to be stacked. Bend down to stack by left foot, upstack. Return to starting position, bend down to right foot and upstack. Return to starting position. Bend down to the left foot for the downstack and hold stretch for 10-15 seconds. Repeat on the right. Shake each leg out and repeat.



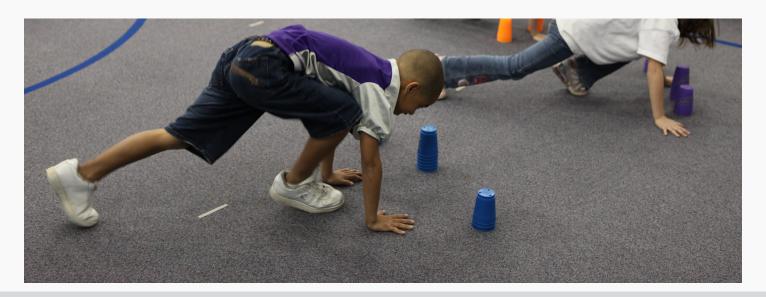
#### Figure 4

The left leg is fully extended while the right knee is bent and right foot is resting against left knee (see photo below). Set Speed Stacks outside left ankle (6-Stack) and inside left ankle (6-Stack). Reach and upstack each stack, return to beginning to downstack and hold for 10-15 seconds. Release, Relax and Repeat. Switch legs and repeat. Can vary stacks.

#### Additional Activities 🗸



- Groin Stretch/Butterfly Stretch
- Sitting V-Stretch
- Reverse Inch Worm to Snake Stretch & Stack
- Overhead Benders/Standing Toe Touches
- Long-Sitting Toe Touches/L Sitting Position



# Strength and Endurance Stacking 🦃



Grades **K+** 



#### Put Ups and Take Downs

Assume a push-up or modified push-up position in front of an elevated flat surface (a tumbling mat works great). Place Speed Stacks on the floor in a 3-3-3-3 or 3-6-3. Using alternating hands, starting with the stack on the left, take one cup with the right hand and place it on an elevated flat surface. Continue upstacking the sequence and then downstacking, alternating the hands with each move. VARIATIONS: Stack for one minute, two minutes, with music.

## Wheelbarrow Stacking



This is the traditional wheelbarrow race but with stacking involved! Partner up with someone of equal weight or form groups of three. When you arrive at a stack, GENTLY lower the wheelbarrow to their knees in order to stack. Once the stack is upstacked, the wheelbarrow's legs are raised and the group moves to the next stack to be upstacked. Repeat the same process. Once the last set is upstacked, the group will run back to the start line and a new person becomes the wheelbarrow. The new wheelbarrow will repeat the above. When the downstacking is completed, the group runs back to the start line with the next group member becoming the wheelbarrow, or the partners switch again.



#### Crab Walk & Stack

Set-up: Straight Line (see page 25)

Assume crab walk position. On 'go' signal or music, stackers "go crabbing" for Speed Stacks. May go feet first or hands first. Upon arrival at first stack, stackers may sit on their bottom to upstack, crab walk to the next stack, etc. When last stack is completed, crab to the wall or cone and touch, turn around, continue crabbing while downstacking each stack on the way back to the starting line.

#### 



- Aeroplanes/Back Ups/Head Lifters
- Push-Up Stacking
- 4-Wheel Drive & Stack

- Bent Knee Sit-Up /Curl-Up Stacking
- Wall Sitting and Stack



# Sport Stacking Time Sheet



Event: 3-3-3 3-6-3		☐ Cycle ☐ Relay ☐ Doubles		Grade		
	Student or Relay Team:	Try 1:	Try 2:	Try 3:	Best:	
	Roger Washburn	4.000	3.245	3.145	3.145	
1						
2						
3						
4						
5						
6						
F						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

# Beyond the Classroom



#### After-school Programs

Thousands of schools and recreation centers across the country use sport stacking with Speed Stacks as a great after-school activity. Many of the games suggested in this Guide are perfect for keeping kids of all ages active and busy during program time.

#### Clubs

New sport stacking clubs are being formed every year and most are born out of strong after-school programs. Clubs typically meet weekly and engage in informal competition called Stack Meets with other local clubs. To learn more go to www.thewssa.com

#### Key Events

#### WSSA STACK UP!

This is the sport's biggest event of the year involving more than 3,000 schools and 600,000 students worldwide as they attempt to set a new Guinness World Record annually with "The Most People Sport Stacking in Multiple Locations in One Day." You will want to be a part of this record-setting event each November. www.thewssa.com/stackup



Take the "30-Day Be Active Challenge" with your students each spring. The Challenge is simple: It's a pledge to keep your kids active for 30 minutes a day for 30 days. Go to www.SpeedStacks.com/be-active to learn more.

#### Tournaments and Competitions

The WSSA hosts three Marquee Tournaments each year:

- US National Sport Stacking Championships
- AAU Junior Olympic Games Sport Stacking Championships
- The World Sport Stacking Championships

In addition to these premier sport stacking events, hundreds of local, state and regional tournaments are held each year. Consider being a part of these tournaments or hosting your own school-based competition! To learn more go to www.thewssa.com/tournaments















# Instructor Equipment

# Instructor Resources / Equipment

Speed Stacks has all the equipment for your program, from individual sets to our fun JUMBOS, fitness Stack Spots and more. We offer Instructors like you discounts on our equipment so you can have everything you need to conduct a dynamic program. We also offer the Group Order that will allow you to earn Bonus Bucks to use in our store.



# Online Guide



This Instructor Guide is designed to work with our online videos. You have free access to all these resources at any time and on any device.

#### Go to: www.SpeedStacks.com/teach to activate your account

#### Access Videos

Quick and easy training videos help you learn by watching the patterns and fitness activities in action.

#### Additional Activities

Find additional activities online to incorporate fitness stacking (table stacking, competition, and more) into your program.

# Online Guide

Everything included in this printed Instructor Guide and more can be found online for easy access and printing.

- Additional Fitness Activities
- **Printing Options** 
  - Activities
  - Time sheets
- Classroom Management Tips
  - Passing out the cups
  - Start and stop signals
  - Proven techniques to manage your stackers



www.SpeedStacks.com/teach

#### Any Device...

Use your desktop, laptop, tablet or phone



**Questions?** 

Call or email us, we are here to help!

- 1-877-468-2877
- info@speedstacks.com

