

# PROMOTING USE OF SELF-MANAGEMENT STRATEGIES IN ADULTS WITH AUTISM SPECTRUM DISORDER AND INTELLECTUAL DISABILITY

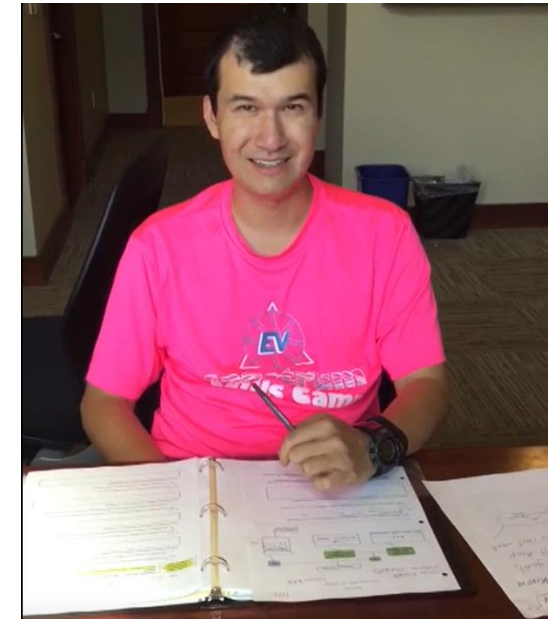


CSESA

The Center on Secondary Education for  
Students with Autism Spectrum Disorders

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& Melissa Savage, PhD





FRANK PORTER  
GRAHAM CHILD  
DEVELOPMENT  
INSTITUTE



THE UNIVERSITY OF NORTH CAROLINA  
**TEACCH**<sup>®</sup>  
**Autism Program**  
*Services Across the Lifespan*



## INTRODUCTION

- Worked with individuals with developmental disabilities since 2009
- Direct support professional, host home provider, interventionist, instructor, researcher
- Researcher at Frank Porter Graham Child Development Institute and TEACCH Autism Program since 2017



# AGENDA



- Objectives
- Autism Spectrum Disorder
- What is CSESA?
- Evidence-Based Practices for Adolescents and Young Adults including Task Analysis and Self-Management
- What is Step it Up?
- Adults with ASD and Intellectual Disability
- Adults with ASD and Physical Activity
- Self-Management and Goal Setting Strategies for Adults
- Questions

## OBJECTIVES

### Describe

Describe the successes and challenges of using goal setting to promote self-management.

### Identify

Identify evidence-based practices that may support individuals to be more independent in self-management.

### Use

Use evidence-based practices such as creating self-monitoring checklists to promote self-management strategies.



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# AUTISM SPECTRUM DISORDER



# Autism Spectrum Disorder



Social Communication



Restricted, repetitive patterns



Present in early development



Functioning

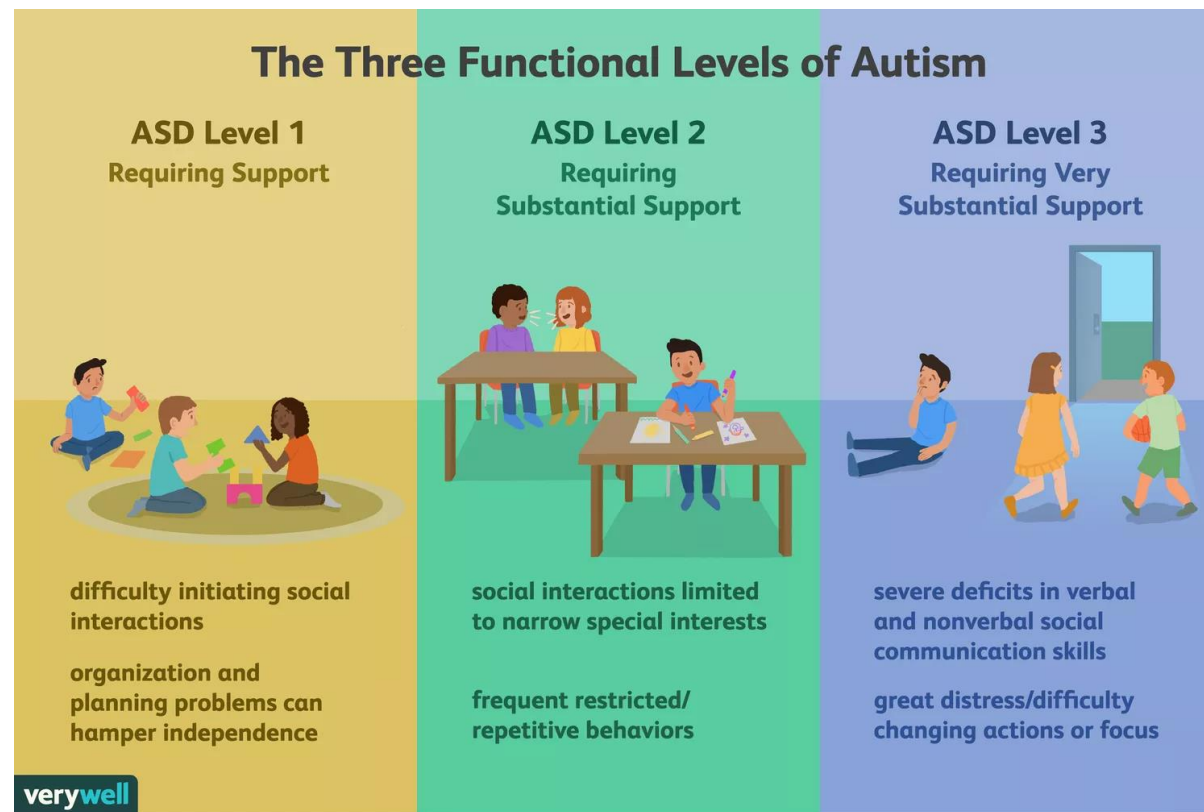
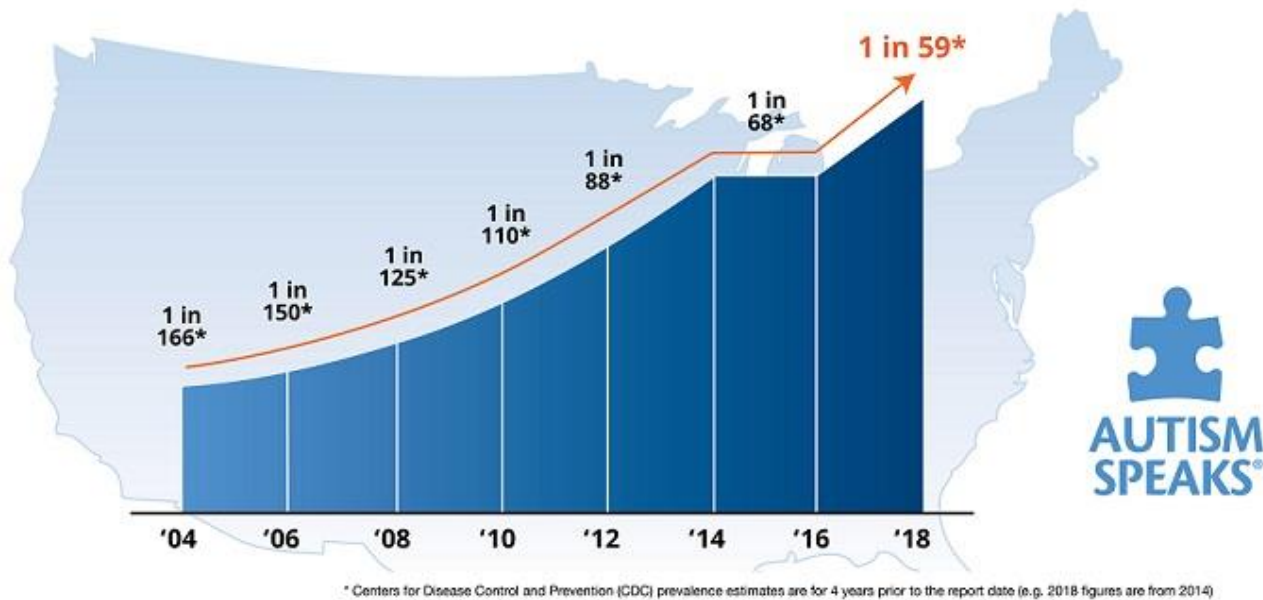


Illustration by Cindy Chung, [Verywell](#).

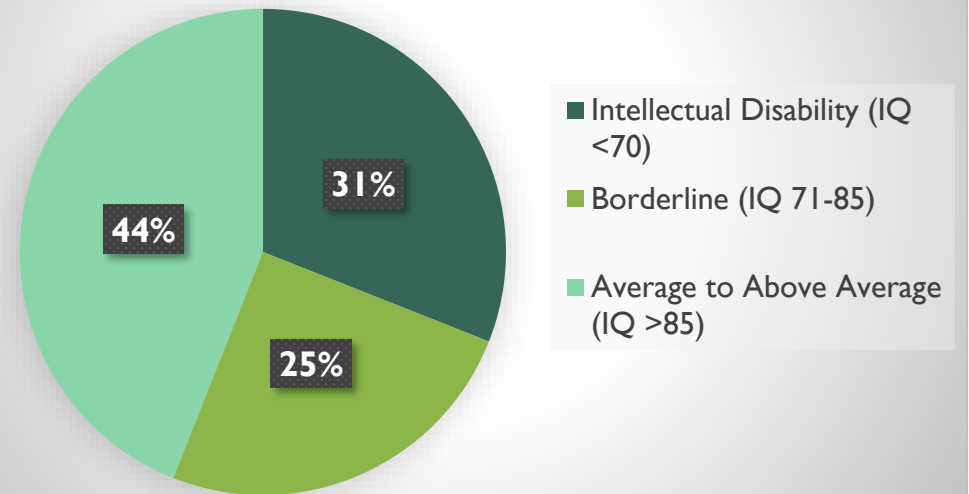
Source: DSM-5; American Psychiatry Association, 2013.

# AUTISM SPECTRUM DISORDER AND INTELLECTUAL DISABILITY

## Estimated Autism Prevalence 2018



## Prevalence of Intellectual Ability in Autism





# CSESA

The Center on Secondary Education for  
Students with Autism Spectrum Disorders

WHAT IS CSESA?



# WHAT IS CSESA?

- Research & Development Center
- Funded by the Department of Education (IES)
- Purpose: To develop and study a comprehensive high school program for students on the autism spectrum



# THE GOAL OF CSESA



To improve post-secondary outcomes for students by using high quality professional development and evidence-based interventions to support practitioners, families, and students





FOR YOUR SUBJECTS  
WHEN THEY GRADUATE:

- 1) SOMETHING TO DO
- 2) SOMEWHERE TO BE
- 3) SOMEONE TO LOVE.

GOOD LUCK!!

# ORIGINAL CSESA COLLABORATORS



VANDERBILT  
KENNEDY CENTER  
for Research on Human Development



SAN DIEGO STATE  
UNIVERSITY



UNC CHARLOTTE

**UC DAVIS**  
**MIND INSTITUTE**



UNC  
FRANK PORTER GRAHAM  
CHILD DEVELOPMENT INSTITUTE

THE UNIVERSITY OF  
**TEXAS**  
AT AUSTIN





# FIND CSESA

<http://cseesa.fpg.unc.edu/>

The screenshot shows the CSESA website homepage. At the top left is the CSESA logo with the tagline "The Center on Secondary Education for Students with Autism Spectrum Disorders". A navigation menu includes "ABOUT THE CENTER", "RESEARCH", "RESOURCES", and "MATERIALS". A central banner features a graduation cap and text: "The Center on Secondary Education for Students with Autism Spectrum Disorders. The Center on Secondary Education for Students with Autism Spectrum Disorder (CSESA) is a research and development project funded by the U.S. Department of Education that focuses on developing, adapting, and studying a comprehensive school and community-based education program for high school students on the autism spectrum." Below this are three statistics: "700+ students and families participated in CSESA research activities", "60 60 schools currently involved in the CSESA study", and "20+ resources available for educators, families, and students". The main content area is divided into "Recent Research Activities" and "Key Resources", each with a "MORE >" button.

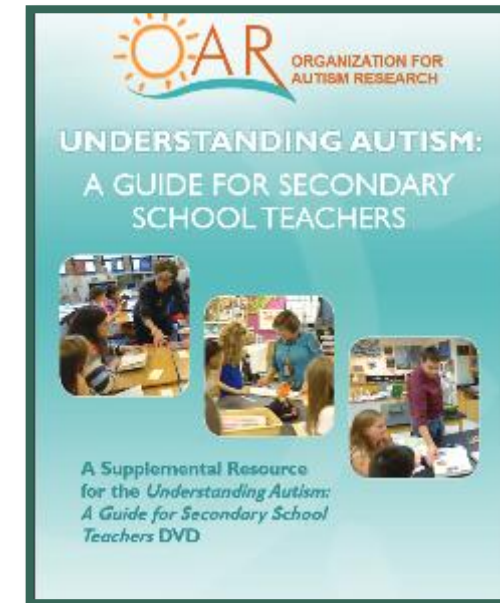
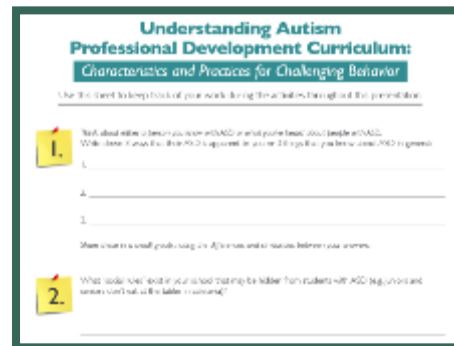
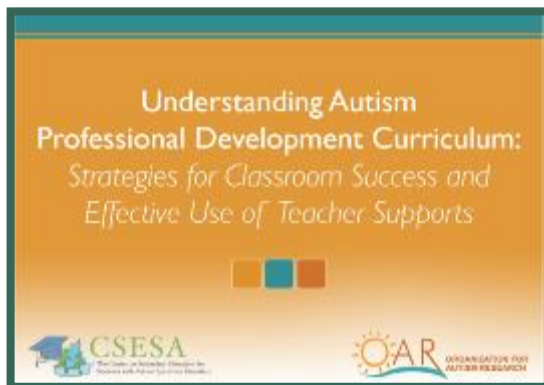
[www.facebook.com/cseesa.asd](http://www.facebook.com/cseesa.asd)

The screenshot shows the Facebook page for the Center on Secondary Education for Students with Autism Spectrum Disorders. The page header includes the name "Center on Secondary Educ...", navigation tabs for "Timeline" and "Recent", and an "Admin Panel" link. The main image is a graduate in a blue cap and gown. The CSESA logo is on the left. The page title is "Center on Secondary Education for Students with Autism Spectrum Disorders" with 246 likes and 6 people talking about it. The "About" section describes the center as a multi-site research and development center. Navigation tabs for "About", "Photos", and "Likes" are visible at the bottom.



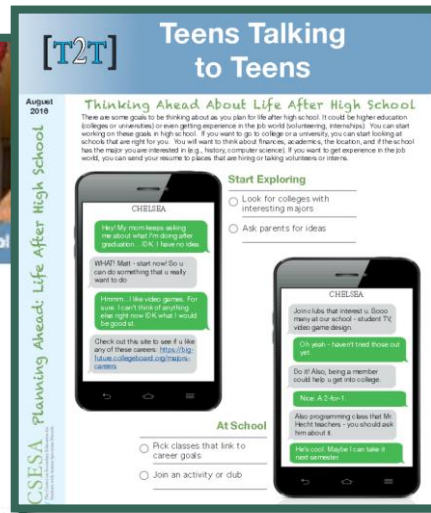
# CSESA RESOURCES

- Professional Development Series
  - 2 presentations with video, facilitator notes, activities, and handouts
  - Designed for middle & high school general educators
- Understanding Autism Guide



# CSESA RESOURCES

- Autism-at-a-Glance Series
  - Tips for families & practitioners
  - Teen Talking to Teens



- Special Issue in Remedial and Special Education Journal
  - Autism, Adolescence, & High School
  - Articles and Snapshots



# EVIDENCE-BASED PRACTICES



The National Professional Development Center  
on Autism Spectrum Disorder



**AFIRM** Autism Focused Intervention  
Resources and Modules



# TEACHING SKILLS

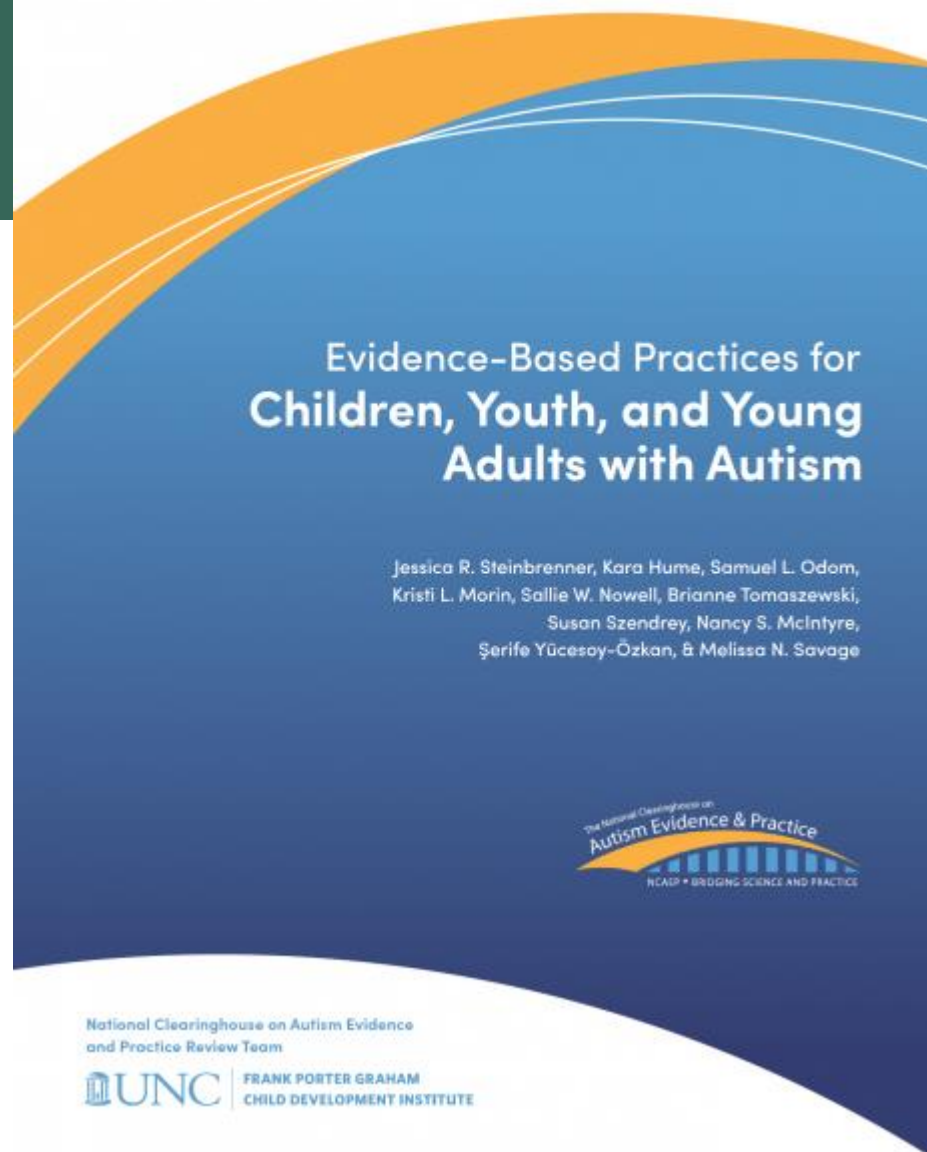
- ◆ Use Evidence-Based Practices
  - ◆ 28 identified in a recent report by the National Professional Development Center (NPDC) housed at UNC-Chapel Hill



- ◆ Online modules released by Autism-Focused Internet Modules (AFIRM)



<https://afirm.fpg.unc.edu/afirm-modules>



National Clearinghouse on Autism Evidence  
and Practice Review Team

**UNC** | FRANK PORTER GRAHAM  
CHILD DEVELOPMENT INSTITUTE

<https://ncaep.fpg.unc.edu/research-resources>

<b>Name of EBP</b>	<b>Self-Management (SM)</b>
<b>Definition of EBP</b>	Self-management (SM) is an intervention package that teaches learners to independently regulate their own behavior. Self-management involves teaching learners to discriminate between appropriate and inappropriate behaviors, accurately monitor and record their own behaviors, and reinforce themselves for behaving appropriately. Although learners may initially require adult support to accurately record behaviors and provide self-reinforcement, this support is faded over time. Self-management is often used in conjunction with other evidence-based practices including technology-mediated interventions, modeling, video modeling, and visual supports.

Outcome Areas		Age Ranges					
		0-2 Toddlers	3-5 Preschoolers	6-11 Elementary School	12-14 Middle School	15-18 High School	19-22 Young Adults
	Communication			✓			
	Social		✓	✓	✓		
	Joint attention						
	Play			✓	✓		
	Cognitive						
	School readiness		✓	✓	✓	✓	✓
	Academic/ Pre-academic		✓	✓			
	Adaptive/ self-help				✓	✓	
	Challenging/ Interfering behavior		✓	✓	✓	✓	
	Vocational				✓		✓
	Motor						
	Mental health						
	Self-determination			✓	✓		

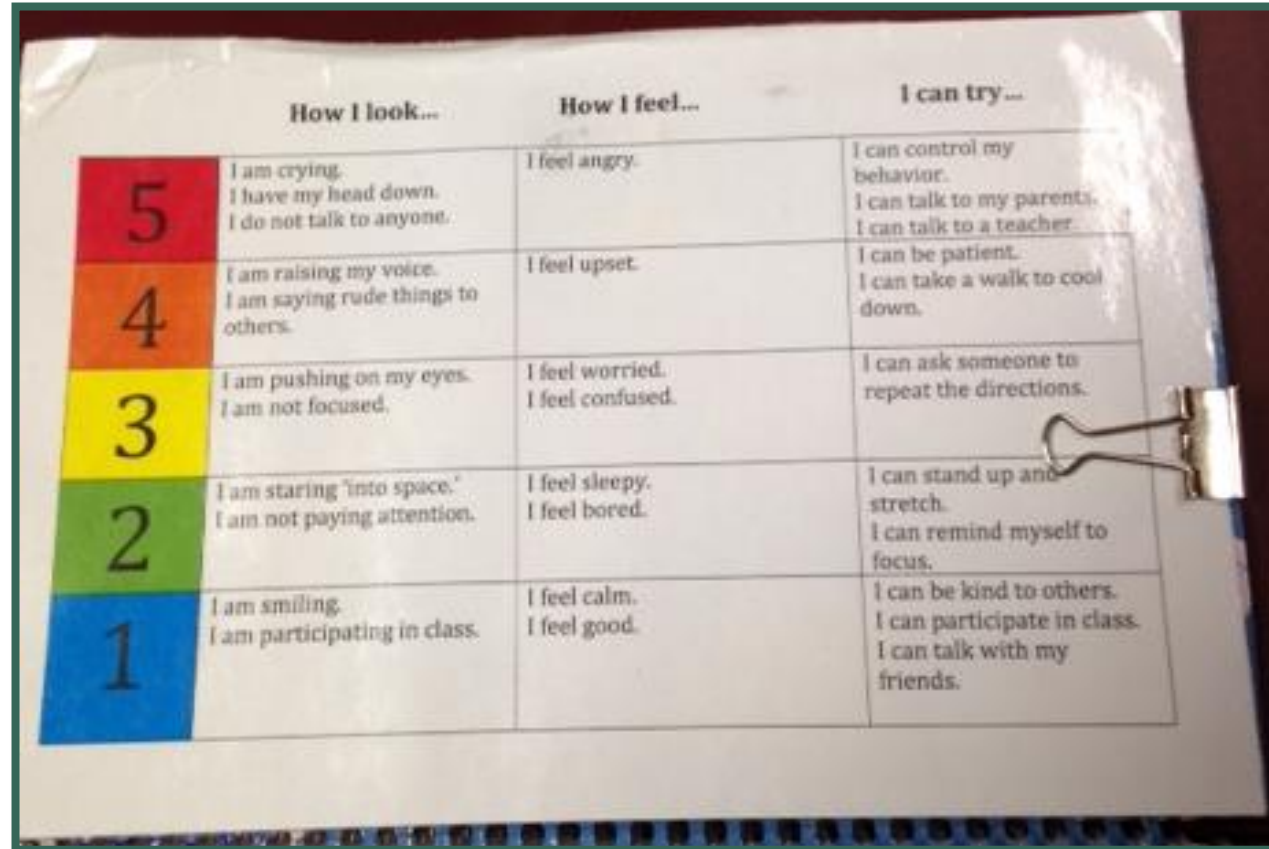


**Self-Management (SM)** Instruction focusing on learners discriminating between appropriate and inappropriate behaviors, accurately monitoring and recording their own behaviors, and rewarding themselves for behaving appropriately.

(Steinbrenner et al., 2014)

# SELF-MANAGEMENT: THE BASICS

- Purpose
  - Encourage self-awareness and independence related to skill performance
- Implementation
  - Select a target behavior, develop a data collection system, and select reinforcers
  - Teach behavior (correct vs. incorrect)
  - Teach to use data collection and support as needed



	How I look...	How I feel...	I can try...
5	I am crying. I have my head down. I do not talk to anyone.	I feel angry.	I can control my behavior. I can talk to my parents. I can talk to a teacher.
4	I am raising my voice. I am saying rude things to others.	I feel upset.	I can be patient. I can take a walk to cool down.
3	I am pushing on my eyes. I am not focused.	I feel worried. I feel confused.	I can ask someone to repeat the directions.
2	I am staring "into space." I am not paying attention.	I feel sleepy. I feel bored.	I can stand up and stretch. I can remind myself to focus.
1	I am smiling. I am participating in class.	I feel calm. I feel good.	I can be kind to others. I can participate in class. I can talk with my friends.

# SELF-MANAGEMENT

- ID reinforcers
- Develop data collection system
- Determine initial criterion
- Select SM recording and cuing tools
- Teach student correct behavior
- Teach student recording system

## Plan

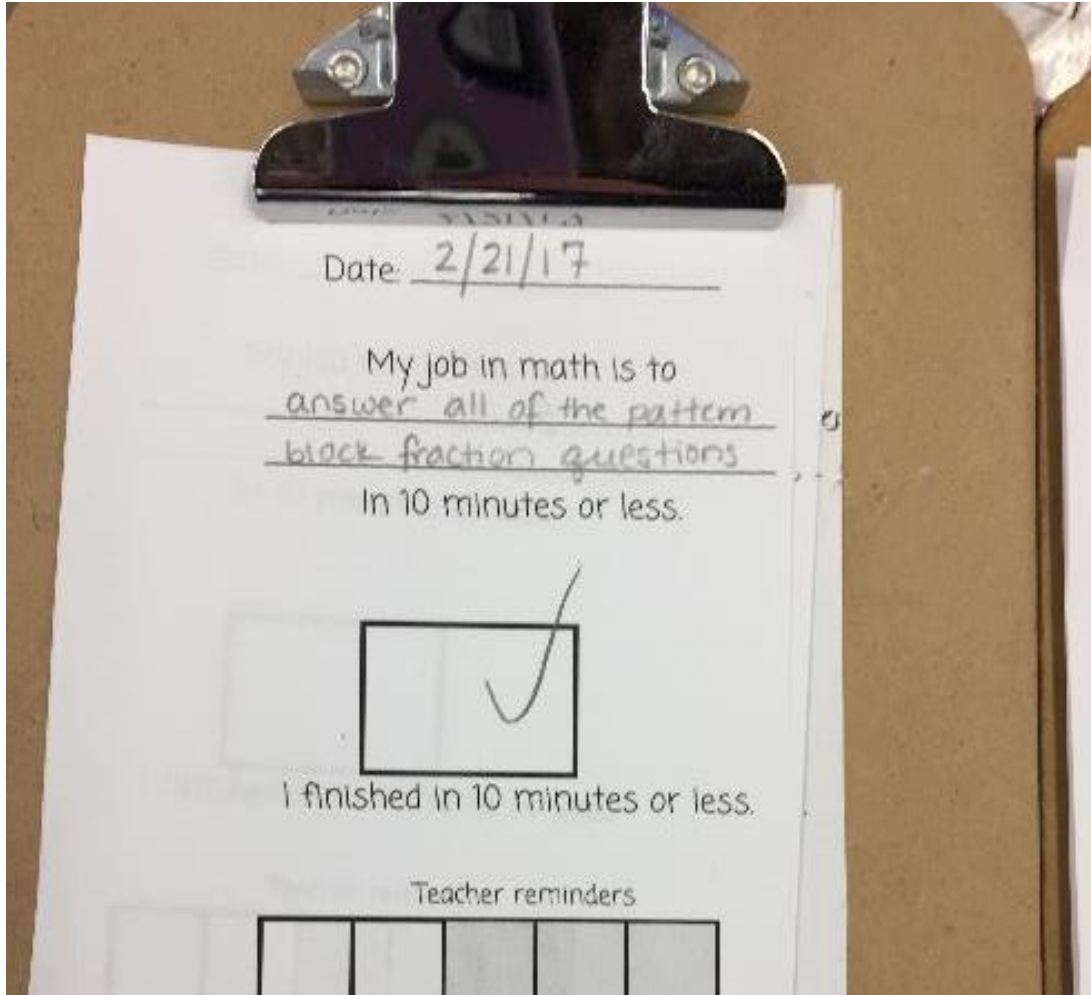
- Provide student with to use SM system
- Teach student how to record behavior in target setting
- Teach student to gain access to reinforcement when criterion is reached

## Implement

- Conduct intermittent checks for accurate self-recording
- Increase criterion, session length, and interval length
- Determine next steps

## Monitor





## SELF- MANAGEMENT: IDEAS

USE PAPER AND PENCIL TO  
CREATE A SELF-MONITORING  
SYSTEM FOR TASK  
COMPLETION

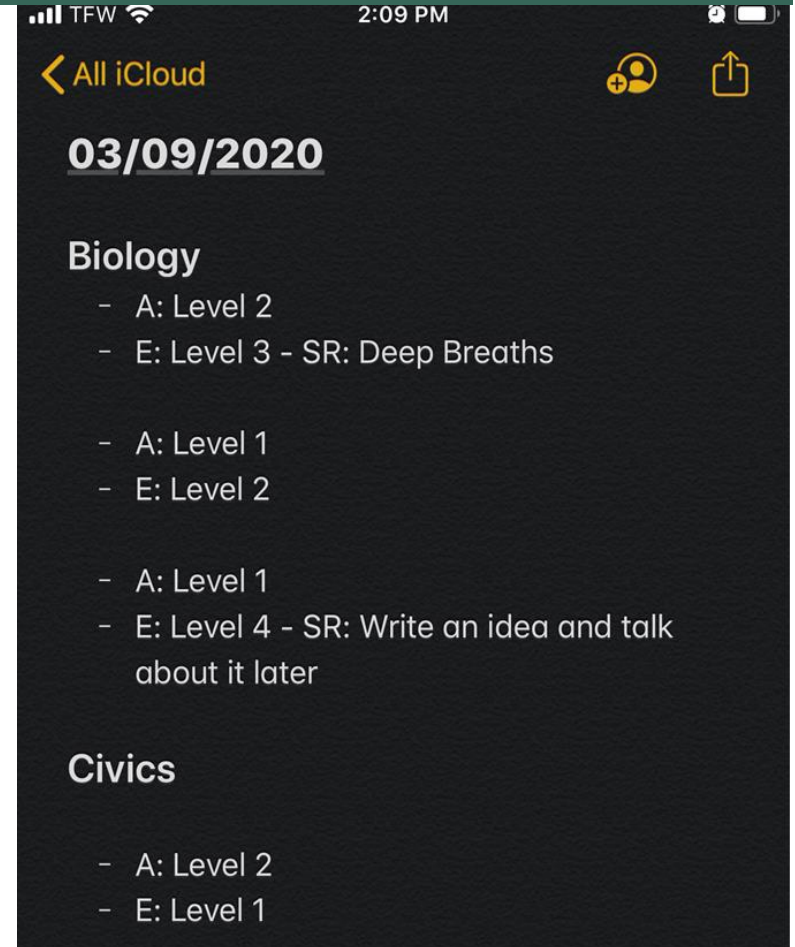
# SELF-MANAGEMENT: IDEAS

- Use paper and pencil to create a self-monitoring system for task completion
- Provide examples of calming strategies as part of self-management system



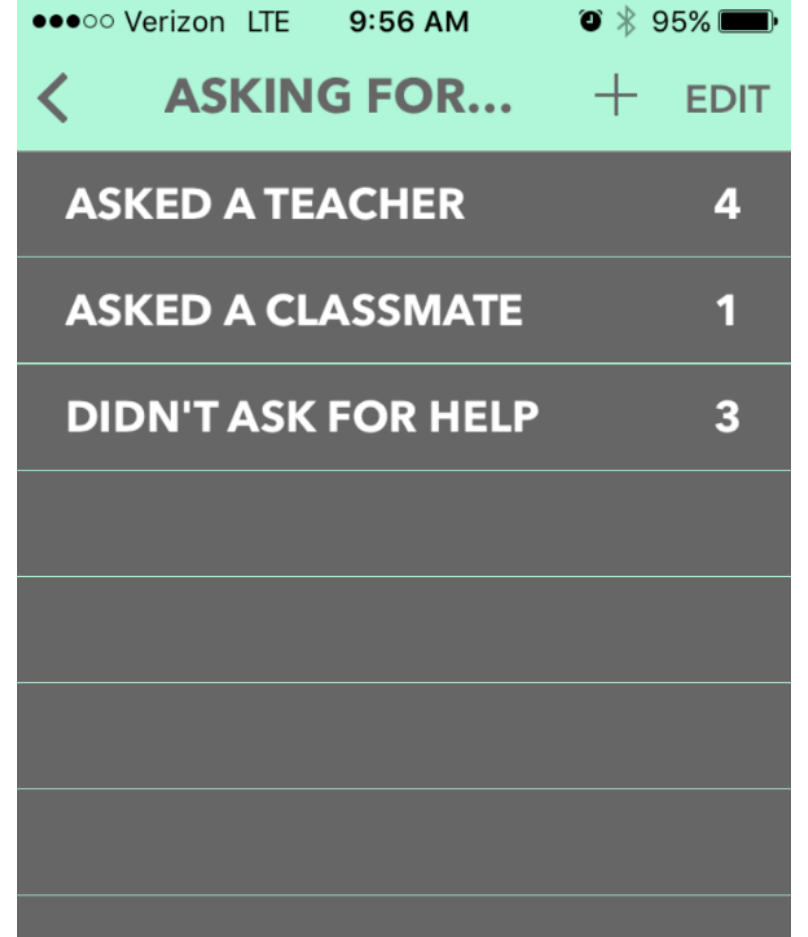
# SELF-MANAGEMENT: IDEAS

- Use paper and pencil to create a self-monitoring system for task completion
- Provide examples of calming strategies as part of self-management system
- Use reminder and notes function on phone to monitor anxiety and emotion levels



## SELF-MANAGEMENT: IDEAS

- Use paper and pencil to create a self-monitoring system for task completion
- Provide examples of calming strategies as part of self-management system
- Use reminder and notes function on phone to monitor anxiety and emotion levels
- Use an app to track asking for help



The screenshot shows a mobile application interface with a light green header. The status bar at the top indicates Verizon LTE, 9:56 AM, and 95% battery. The header contains a back arrow, the text "ASKING FOR...", a plus sign, and the word "EDIT". Below the header is a list of three items, each with a count to its right:

ASKED A TEACHER	4
ASKED A CLASSMATE	1
DIDN'T ASK FOR HELP	3


















# SELF-MANAGEMENT: IDEAS

- Use paper and pencil to create a self-monitoring system for task completion
- Provide examples of calming strategies as part of self-management system
- Use reminder and notes function on phone to monitor anxiety and emotion levels
- Use an app to track asking for help
- Use self-management system to encourage class participation

Terry's Academic Schedule

Date: \_\_\_\_\_

Subject	Class Intervals (5 min)						Hand Raising Questions
Reading							  
Science							  
Special (music, art, Spanish, gym)							  
Math							  
Social Studies							  

Comments: \_\_\_\_\_

A photograph of a staircase with a dark green overlay on the left side containing white text. The staircase is made of light-colored concrete or stone, and the steps are visible. The green overlay is a solid color and covers the left portion of the image. The text is in a clean, sans-serif font, arranged in four lines.

ADULTS WITH  
ASD AND STEP  
IT UP



# WHAT IS STEP IT UP?



Melissa Savage, PhD



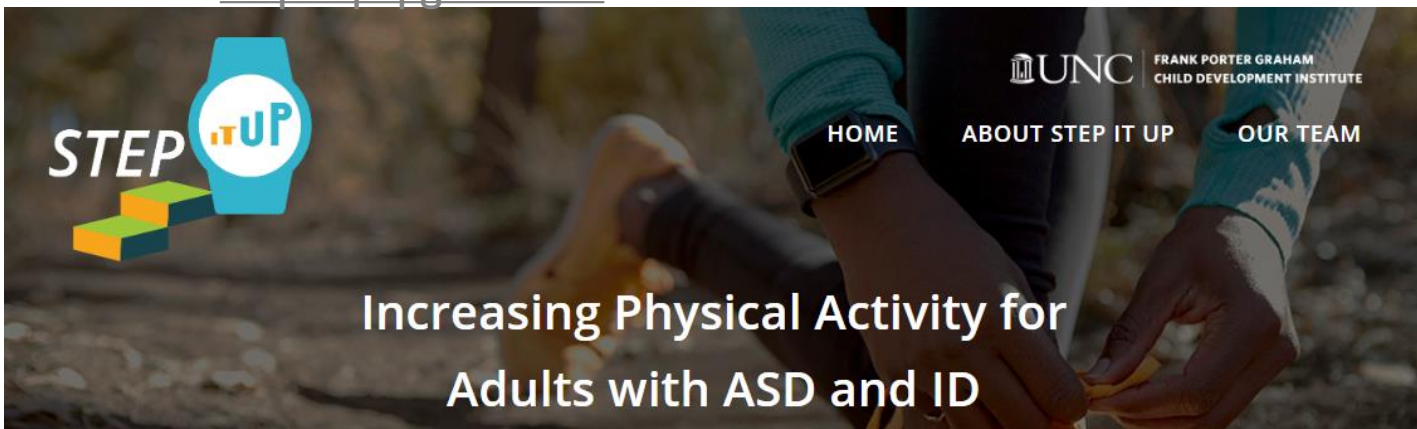
Kara Hume, PhD



Brianne Tomaszewski, PhD



Find us at [stepitup.fpg.unc.edu](http://stepitup.fpg.unc.edu)!



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DEVELOPMENT  
INSTITUTE



*STEP*





# ADULTS WITH AUTISM AND PHYSICAL ACTIVITY

- Adults with ASD often **do not engage** in recommended levels of physical activity
- Physical inactivity leads to increased risk for health conditions such as obesity, hypertension, and diabetes
- **Barriers include**
  - Transportation
  - Lack of peer support
  - Lack of energy
  - Need for adult directed support



“He spends a large amount of time on his computer”  
-Step it Up Parent

“Sweat and lots of people”  
-Step it Up Athlete

“[Exercise is] boring and painful sometimes”  
-Step it Up Athlete

“[I don’t like] how hard it is”  
-Step it Up Athlete

# BENEFITS OF PHYSICAL ACTIVITY

- Healthy weight loss
- Reduced anxiety
- Improved Social Skills
- Reduced Stereotyped behaviors

“It gives me something to do to get out of the house”  
-Step it Up Athlete

“It’s relaxing”  
-Step it Up Athlete

“I like it helps get me moving. It gives me endorphins. Empowering”  
-Step it Up Athlete

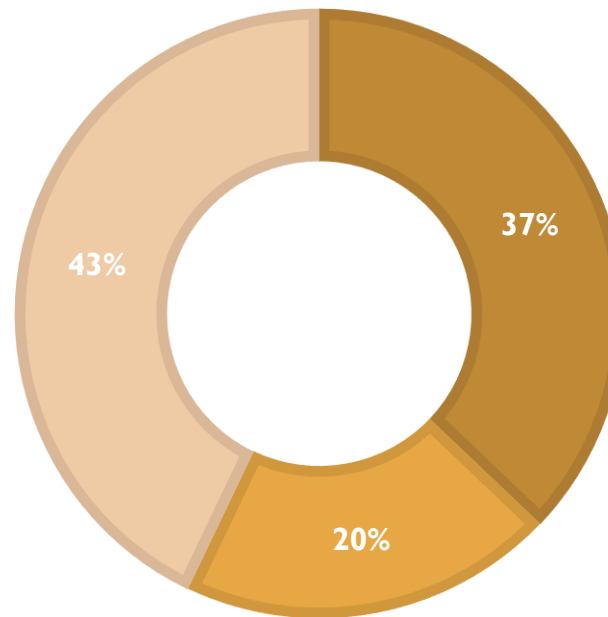


# STEP IT UP PARTICIPANTS

Characteristic	M(SD) or %
Age	24.9(6.7) Range 18-47
Gender (% Male)	76.7
Race	
African-American	16.7
White	66.7
Multi-Racial	13.9
Arabic	2.8
Ethnicity (% Non-Hispanic)	91.2
IQ	63.0(21.5)

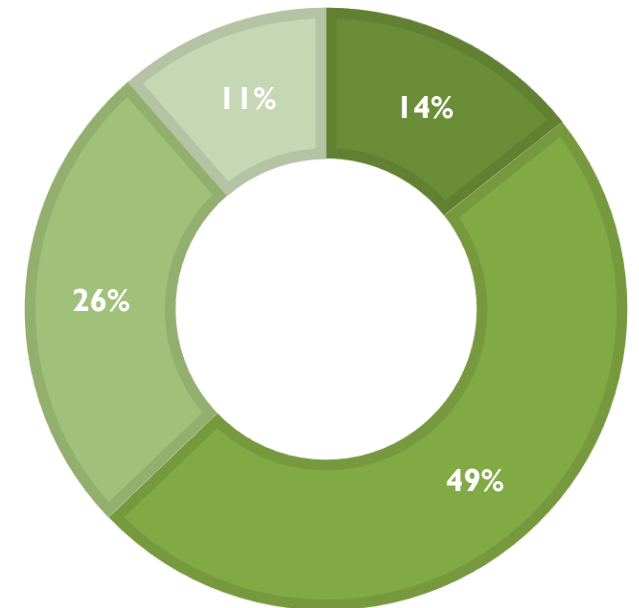
## BMI CATEGORY

■ Normal ■ Overweight ■ Obese



## WEEKLY EXERCISE

■ 0 Times per week  
■ 1-2 Times per week  
■ 3-4 Times per week



# STEP IT UP RANDOMIZED-CONTROLLED TRIAL

## Fitbit + Coaching

- Learn how to use Fitbit
- Wear Fitbit for 12 weeks
- Work with mentor in home or community
- Meet weekly with Coach
- Coach receives training
- Coach trains athlete

## Fitbit Only

- Learn how to use Fitbit
- Wear Fitbit for 12 weeks





## COACH TRAINING TEACHES EVIDENCE- BASED PRACTICES

- Self- Management Strategies
  - Goal setting
  - Self-evaluation
  - Self-monitoring
  - Self-reinforcement



**STEP** **IT UP**

Step It Up!  
Increasing Physical activity for  
Adults with ASD and ID through  
Self-Management  
Coach Intervention Training

[Begin Training](#)

## What is Self-Management?



***Self-regulation strategies*** used to help individuals learn the rules and norms to act appropriately in a given situation

Self-regulation strategies used in this study include:

[Goal setting](#)

[Self-evaluation](#)

[Self-monitoring](#)

[Self-reinforcement](#)



Click on each term  
to learn more

# SELF- MANAGEMENT

# GOAL SETTING

The process of identifying something you want to accomplish and establishing measurable goals and timeframes

## What Do I Need for the Goal Setting Meeting?

- My Athlete Binder



- Goal setting meeting template



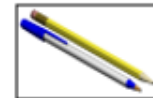
- My weekly step count goals form

My Weekly Step Count Goals	
Baseline Step Counts: 25,000	
Week	Step Count Goal
Week 1	25,000
Week 2	24,500
Week 3	24,000
Week 4	23,500
Week 5	23,000
Week 6	22,500

- Self-monitoring monthly calendar



- Pen or pencil



- How to set a new goal help sheet



- How to record a new goal help sheet



## Goal Setting Meeting Weekly Agenda

1. Answer the question: Did you meet your goal?



- If yes = calculate new goal and enter the new goal on the weekly step count sheet and on the Fitbit dashboard.
- If no = record why you think the goal was not met and keep current goal, also enter current goal again on the weekly step count sheet. No changes need to be made to the Fitbit.

2. Schedule 2 days and times you can walk or run during the upcoming week

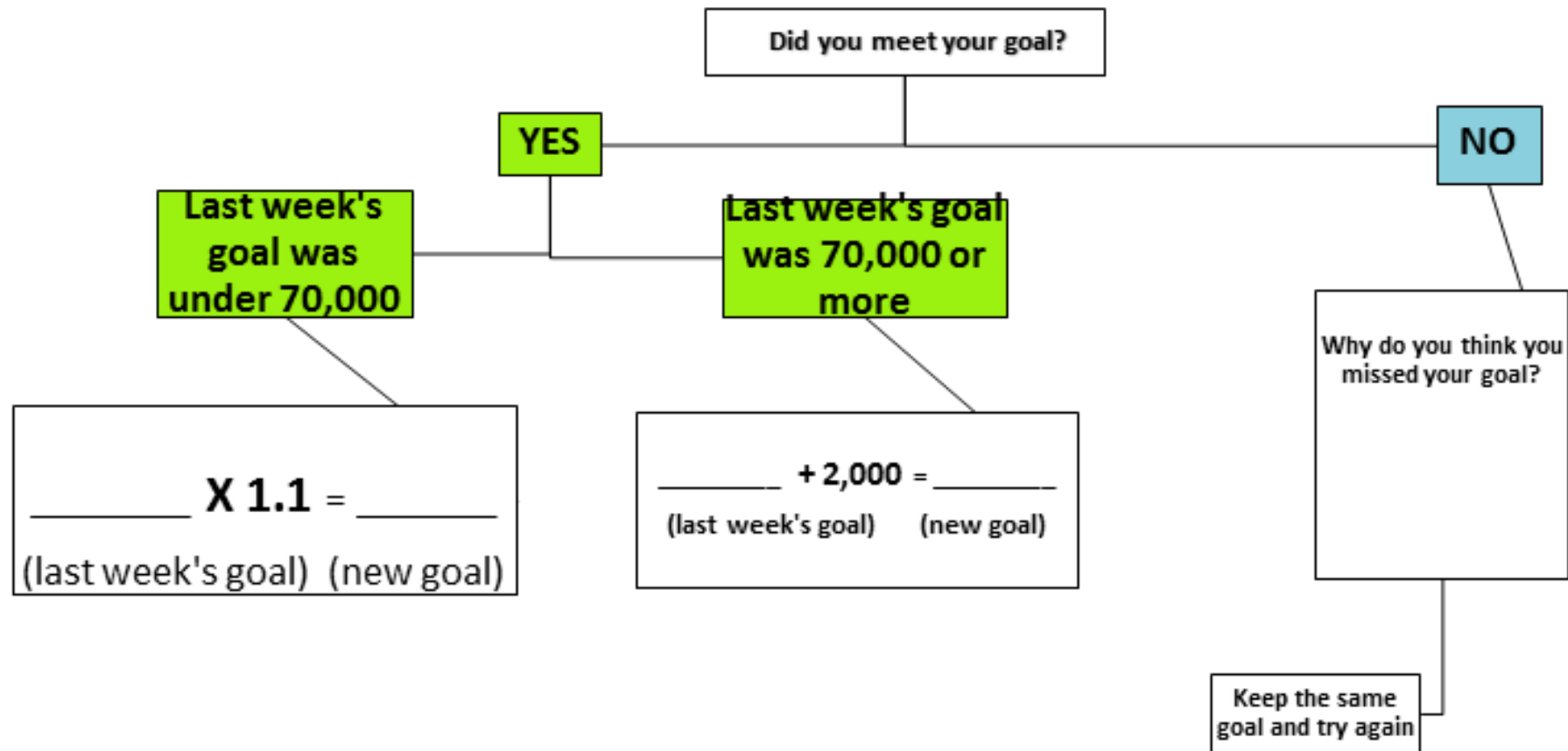
- Next, choose a couple good times to go walking or running during the upcoming week.

Day \_\_\_\_\_ Time \_\_\_\_\_ Day \_\_\_\_\_ Time \_\_\_\_\_

3. Log onto your Fitbit dashboard and enter silent alarms for those days and times



# GOAL SETTING MEETING TEMPLATE





# GOAL SETTING MEETING TEMPLATE

- Next, choose a couple good times to go walking or running during the upcoming week.

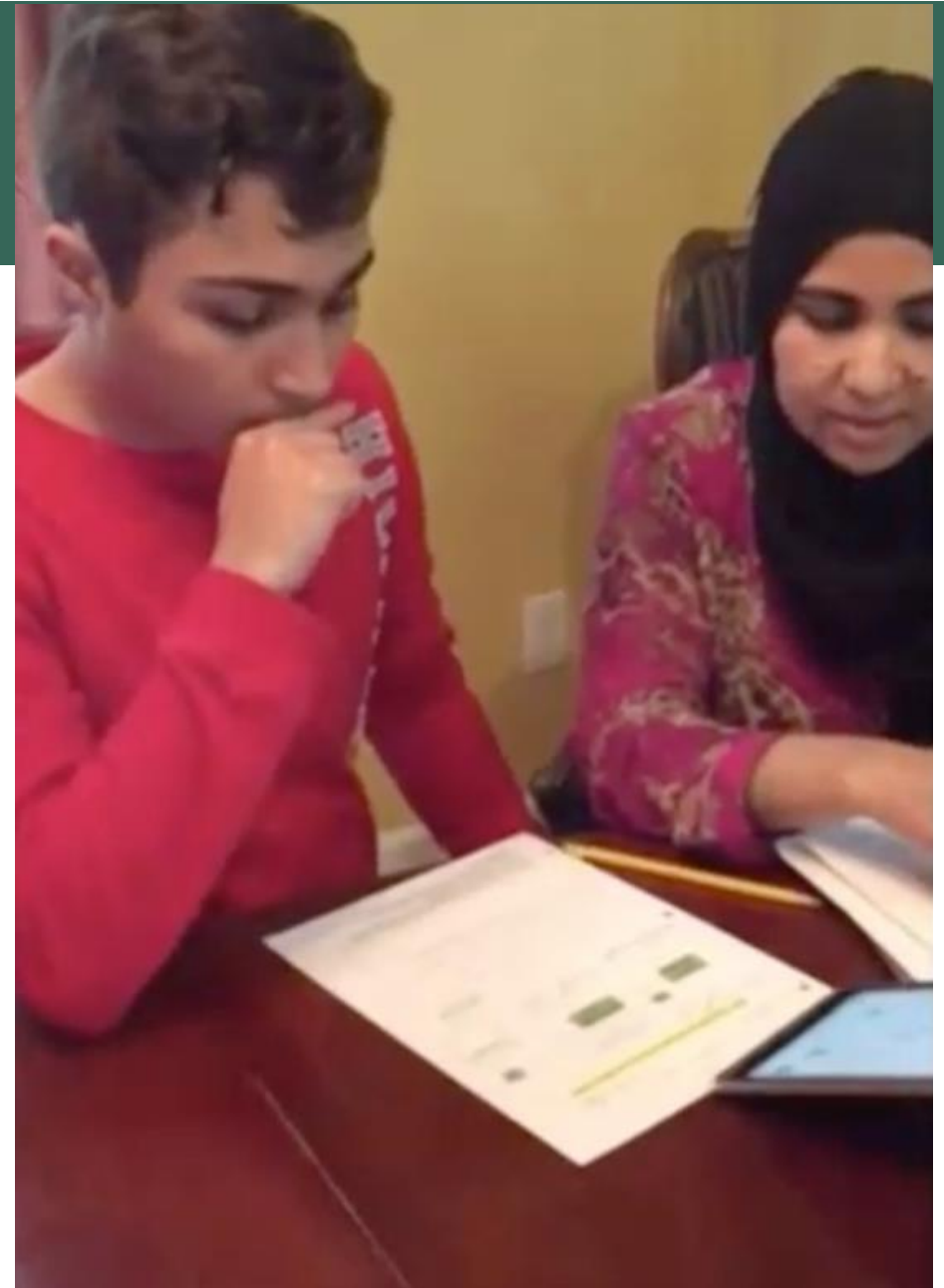
Day \_\_\_\_\_ Time \_\_\_\_\_ Day \_\_\_\_\_ Time \_\_\_\_\_

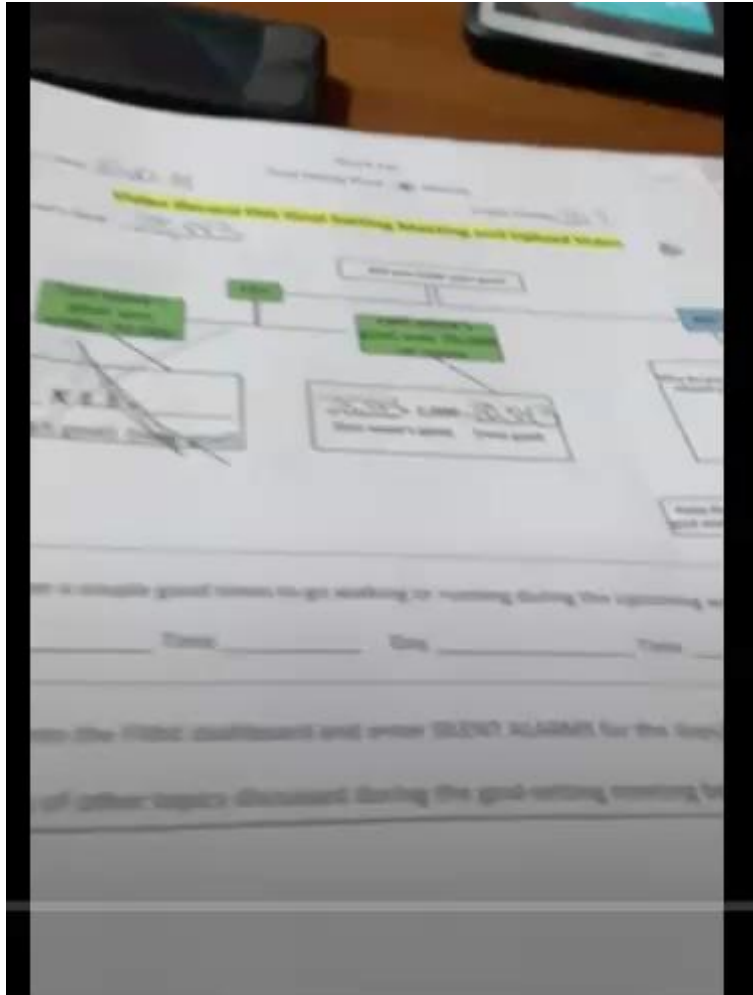
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- Finally, log onto the Fitbit dashboard and enter SILENT ALARMS for the days/times above.

Please make note of other topics discussed during the goal-setting meeting below:

- Did you enter your new goal on the weekly step count sheet? If keeping same goal, write this goal.
- Did you enter your new goal on the Fitbit dashboard? If keeping same goal, do nothing here.
- Did you find 2 days and times to exercise this week?
- Did you enter those days and times in the Fitbit dashboard under silent alarms?
- COACH: Did you take a picture of this sheet and the data collection sheet from Week \_\_ and send to: [asdfitbit@unc.edu](mailto:asdfitbit@unc.edu)?





# GOAL SETTING MEETING EXAMPLE

# GOAL PROGRESS

Step It Up! 140  
 Goal Setting Week 2 Meeting  
 Today's Date: 7/25/19 Coach initials: NCB  
**Video Record this Goal Setting Meeting and Upload Video**  
 Last Week's Goal 36,000 (Researcher will fill this out at visit 2 to get you started)

Did you meet your goal? **YES** 40,201

YES: Last week's goal was under 70,000  
 $36,000 \times 1.1 = 39,600$   
 (last week's goal) (new goal)

NO: Last week's goal was 70,000 or more  
 $+ 2,000 =$  \_\_\_\_\_  
 (last week's goal) (new goal)

NO: Why do you think you missed your goal?  
 Keep the same goal and try again

5,657 steps per day

Next, choose a couple good times to go walking or running during the upcoming week.  
 Day Tuesday Time 7-8 Day Thursday Time 7-8

Finally, log onto the Fitbit dashboard and enter SILENT ALARMS for the days/times above.

Please make note of other topics discussed during the goal-setting meeting below:  
Go to gym w/ daddy maybe 2x a week  
felt good about herself for meeting her goals

Did you enter your new goal on the weekly step count sheet? If keeping same goal, write this goal.  
 Did you enter your new goal on the Fitbit dashboard? If keeping same goal, do nothing here.  
 Did you find 2 days and times to exercise this week?  
 Did you enter those days and times in the Fitbit dashboard under silent alarms?  
 COACH: Did you take a picture of this sheet and the data collection sheet from Week 2 and send to: [asd@fitbit@unc.edu](mailto:asd@fitbit@unc.edu)?

Step It Up! 14  
 Goal Setting Week 8 Meeting  
 Today's Date: 10/6/19 Coach initials: NCB  
 Last Week's Goal 63,777

Did you meet your goal? **NO**

YES: Last week's goal was under 70,000  
 $63,777 \times 1.1 = 70,155$   
 (last week's goal) (new goal)

NO: Last week's goal was 70,000 or more  
 $+ 2,000 =$  \_\_\_\_\_  
 (last week's goal) (new goal)

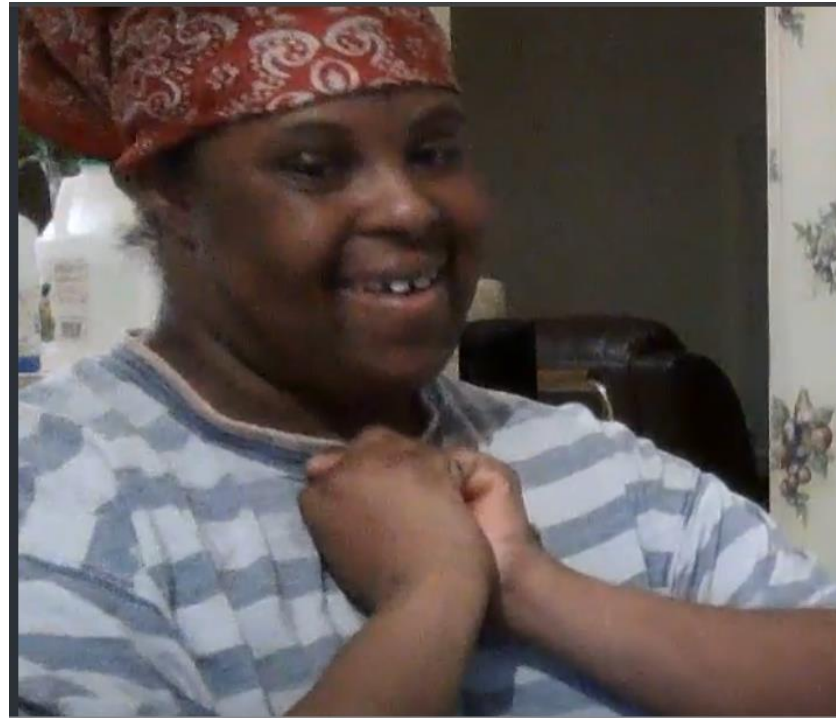
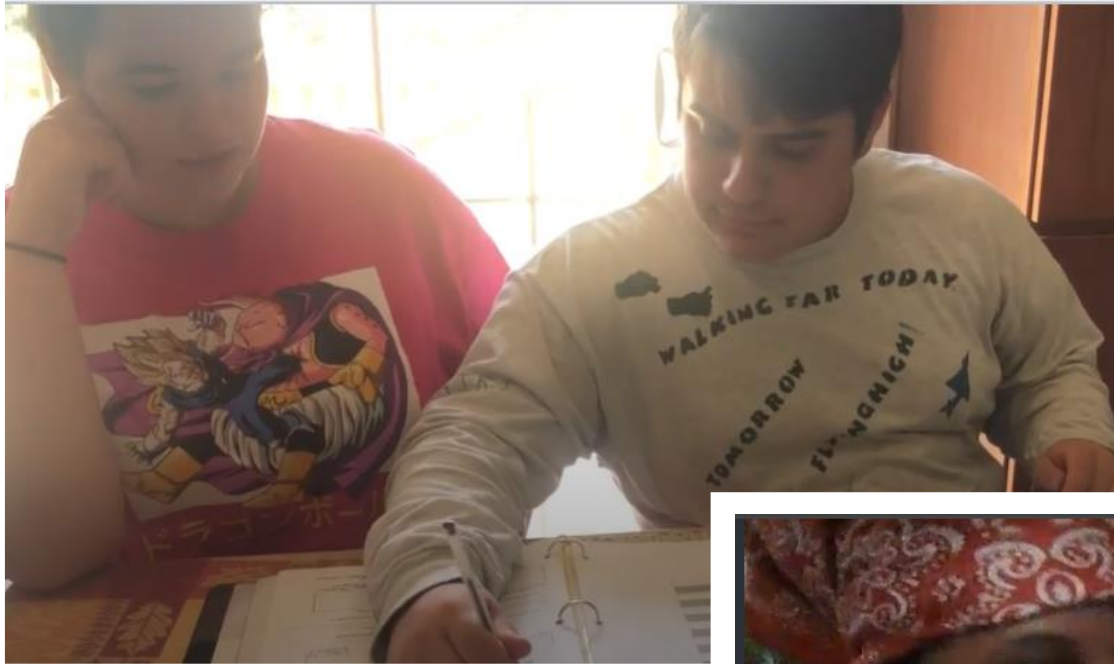
NO: Why do you think you missed your goal?  
 Keep the same goal and try again

• Next, choose a couple good times to go walking or running during the upcoming week.  
 Day Tuesday Time 7:00pm Day Thursday Time 7:00pm

• Finally, log onto the Fitbit dashboard and enter SILENT ALARMS for the days/times above.

Please make note of other topics discussed during the goal-setting meeting below:  
10,022 per day

Did you enter your new goal on the weekly step count sheet? If keeping same goal, write this goal.  
 Did you enter your new goal on the Fitbit dashboard? If keeping same goal, do nothing here.  
 Did you find 2 days and times to exercise this week?  
 Did you enter those days and times in the Fitbit dashboard under silent alarms?  
 COACH: Did you take a picture of this sheet and the data collection sheet from Week 8 and send to: [asd@fitbit@unc.edu](mailto:asd@fitbit@unc.edu)?



# SELF-EVALUATION

THE PROCESS OF  
ASSESSING YOUR  
PERFORMANCE

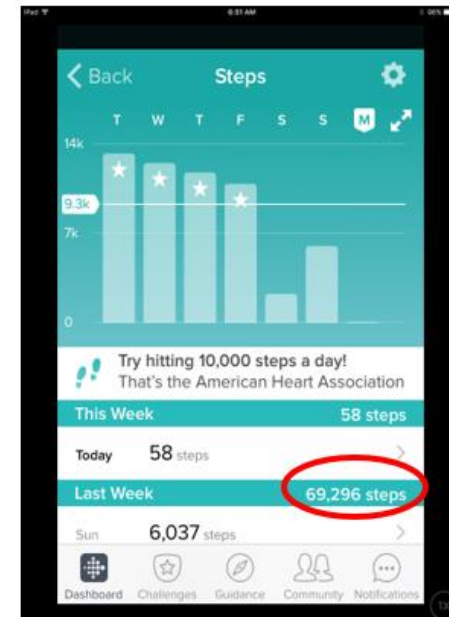


# SELF-EVALUATION: DID I MEET MY GOAL?

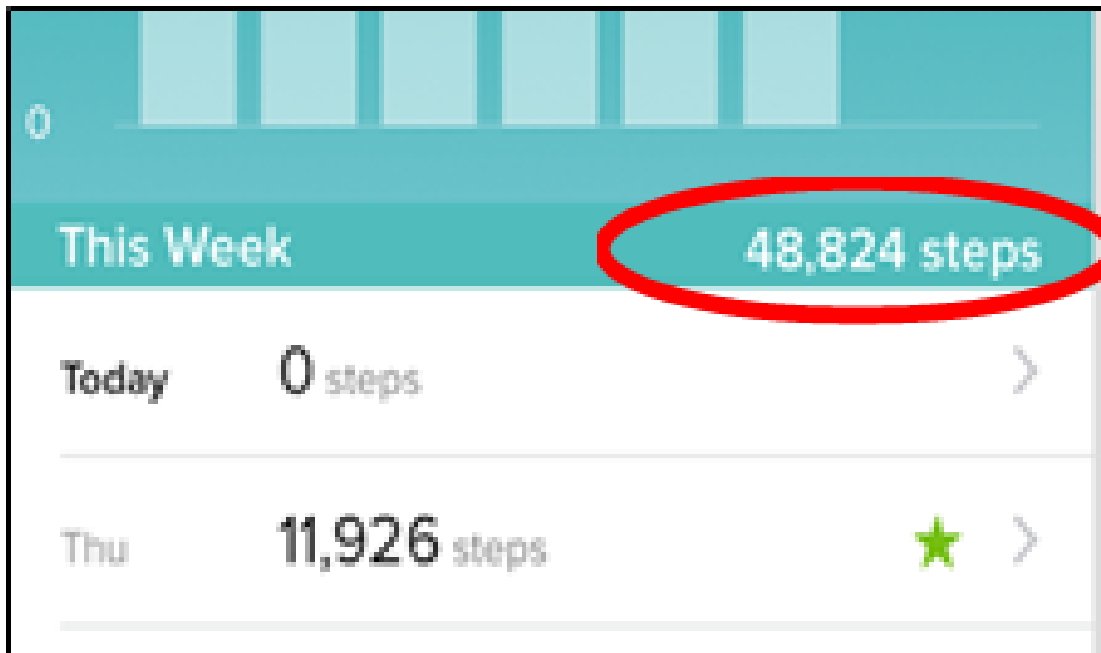


HOW DO I KNOW IF I MET MY GOAL?

If you check your steps **at the goal setting meeting....** Look at **Last Week** steps



# SELF-EVALUATION: DID I MEET MY GOAL?



Week	Step Count Goal
Week 1	35,000
Week 2	38,500
Week 3	50,000

# SELF-EVALUATION: DID I MEET MY GOAL?



## I have a New Goal... Now What?

### Help Sheet: Recording Your New Goal Using the FITBIT APP



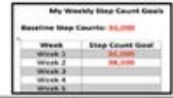
Look at your new goal



Write your new goal on the goal setting meeting template



Find your weekly Step-Count Goal Sheet



Write your new goal in the next empty box



Now it's time to find your DAILY Goal! Type in your weekly step count goal



Press “ + ”



Press “ 7 ”



Press “ = ”



This is your new daily step count goal! You only need to know this for the Fitbit APP.



Open the Fitbit APP



“Log In” (may be automatic)



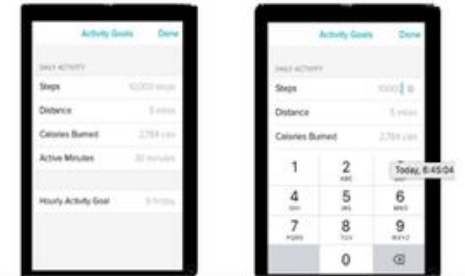
Tap the Circle with the footsteps



Tap the wheel at the top right



Tap on your current step goal



Press the X to delete old daily goal



Enter new daily goal



Tap the teal “Done” tab



# CALCULATING A NEW GOAL





# CALCULATING A NEW GOAL



## March 2018

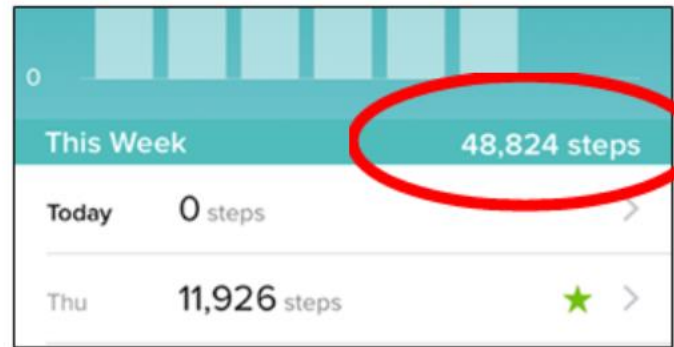
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5	6	7	8	9 ☹	10
11	12 ☺	13 week 2 goal setting	14 2pm walk	15	16 noon walk	17 ☹
18	19 ☺	20 week 3 goal setting	21	22 10am walk	23 ☹	24
25	26 ☺	27 week 4 goal setting	28	29	30	31

# SELF-MONITORING

Measuring and recording your own behavior

# SELF-MONITORING ACTIVITY

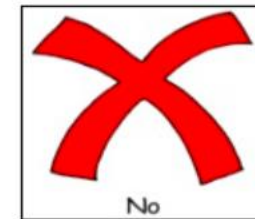
- Think about a **goal** you are working on with your students , family members, or yourself
- How do you **self-evaluate** to know if the goal is met?
- What are two ways you could **self-monitor** throughout the week or at the end of the week?



Week	Step Count Goal
Week 1	35,000
Week 2	38,500
Week 3	50,000



OR



# SELF-MONITORING EXAMPLES

## TIPS






- Use technology
- Break down tasks to one step at a time
- Use visual supports
- Try pictures only
- Cover up items when working on list to simplify

Sl. no	Resolutions	2/02/13	3/02	4/02	5/02	6/02	7/02	8/02	9/02
1.	Going to restaurant only once a week (Sunday)	NA	✓	NA	NA	NA	NA	NA	✗
2.	Reading a book once a month								
3.	Running on treadmill every day for 35 minutes	✓	✗	✓	✓	✓	✓	✗	
4.	Resistance training thrice a week			✓		✓		✓	

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Able2LEARN  
Main Dishes

**Cooking:**

- 1. Place strainer in pot. Boil water in a pot. 
- 2. Add salt and spaghetti. Cook for 7 to 10 minutes and stir. 
- 3. Strain pasta. Place spaghetti on plate. 
- 4. Cut 2 tablespoons butter. Pour butter on spaghetti. Mix with tongs until melted. 
- 5. Eat and enjoy. 

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What Do I Want to Earn When I Meet My Goal?

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

**Remember:**

Pick things that are readily available in the athlete's home.

They do not have to cost money

Have the athlete pick at least one thing. If they can choose a few things that is really good to mix it up during the 12 weeks.

# SELF-REINFORCEMENT

THE PROCESS OF DELIVERING YOURSELF A REINFORCER, BASED ON MEETING PERFORMANCE CRITERION.



Step It Up!

Data Collection Sheet

Week 2

Coach initials: JA

Video record the athlete doing these and upload video.

Complete this form 1 time each week. Circle A or B. If you circle B, explain how you helped. When complete, take a picture of this sheet and send them to [asdfitbit@unc.edu](mailto:asdfitbit@unc.edu).

- A. The participant synced the Fitbit® all by him/herself  
 B. The participant needed some help to sync the Fitbit®

If the participant needed help, explain how you helped:

[Empty box for help explanation]

- A. The participant determined if the goal was met or not met all by him/herself (self-evaluate)  
 B. The participant needed some help to determine if the goal was met or not met (self-evaluate)

If the participant needed help, explain how you helped:

I made a number chart 1-10. and told her to find 35 and 36. I asked her which number was more/less. She didn't understand initially. This will be one area that I will have to teach her to compare numbers in order to determine if goal was met.

- A. The participant recorded if the goal was met or not met all by themselves (self-monitoring)  
 B. The participant needed some help recording if the goal was met or not met (self-monitoring)

If the participant needed help, explain how you helped:

I had to prompt her. Eventually she will be able to record independently.

- A. The participant got his/her reinforcer all by themselves  
 B. The participant needed some help getting his/her reinforcer

If the participant needed help, explain how you helped:

of frozen yogurt

I discussed with Sarah how her stamina has improved since walking at the mall for the past 3 weekends. I decided to award her with some frozen yogurt at Menchie's.

Step It Up!

Data Collection Sheet

Week 10

Coach initials: JA

Complete this form 1 time each week. Circle A or B. If you circle B, explain how you helped. When complete, take a picture of this sheet and send them to [asdfitbit@unc.edu](mailto:asdfitbit@unc.edu).

- A. The participant synced the Fitbit® all by him/herself  
 B. The participant needed some help to sync the Fitbit®

If the participant needed help, explain how you helped:

[Empty box for help explanation]

- A. The participant determined if the goal was met or not met all by him/herself (self-evaluate)  
 B. The participant needed some help to determine if the goal was met or not met (self-evaluate)

If the participant needed help, explain how you helped:

[Empty box for help explanation]

- A. The participant recorded if the goal was met or not met all by themselves (self-monitoring)  
 B. The participant needed some help recording if the goal was met or not met (self-monitoring)

If the participant needed help, explain how you helped:

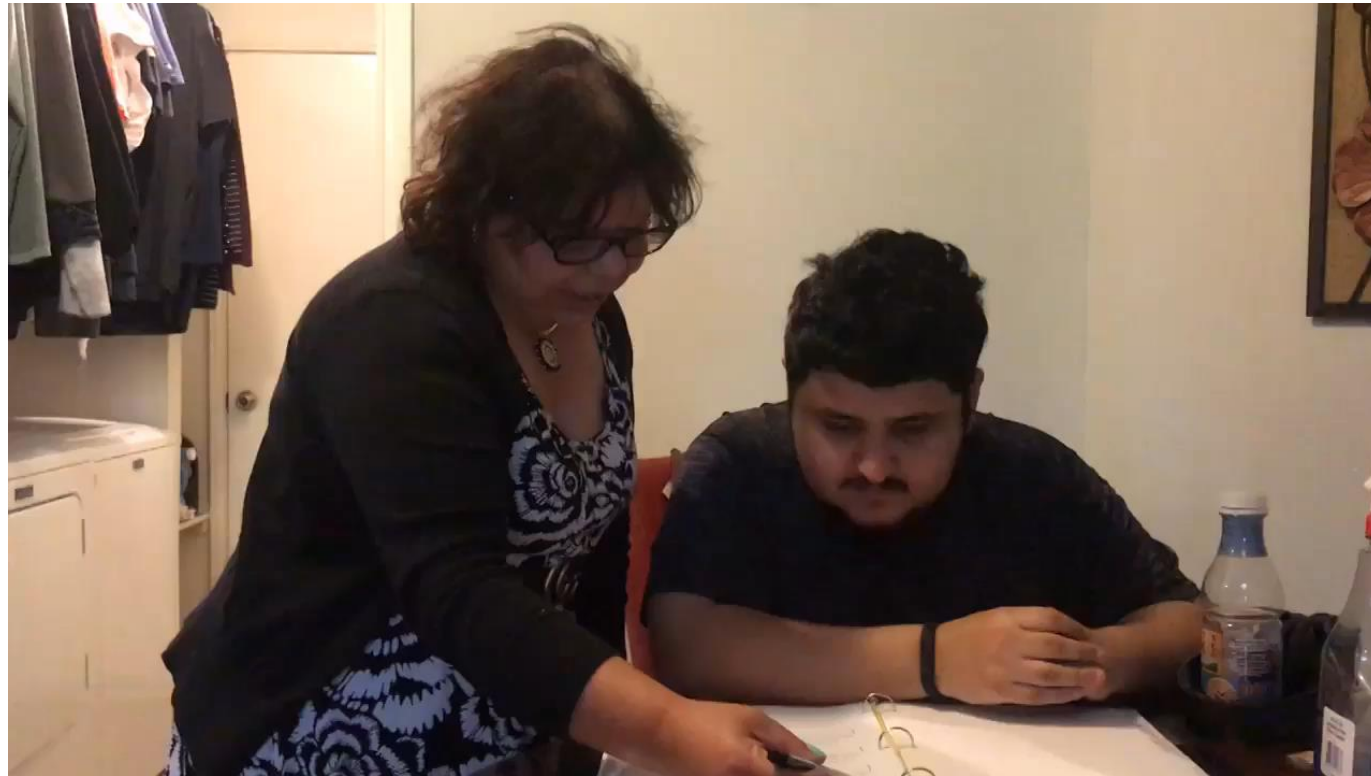
[Empty box for help explanation]

- A. The participant got his/her reinforcer all by themselves  
 B. The participant needed some help getting his/her reinforcer

If the participant needed help, explain how you helped:

[Empty box for help explanation]

# DATA COLLECTION EXAMPLE



# STEP IT UP GOAL SETTING AND ATTAINMENT



## Self-Evaluate

If previous goal met, calculate new goal

If previous goal not met, keep same goal



## Write the New Goal

Write new goal on goal setting sheet

Enter new goal on Fitbit App



## Create an Action Plan

Schedule 2 exercise days and times

Set alarms for exercise days/times



## Self-Monitor

Wear Fitbit daily

Evaluate progress

Adjust plan as needed



## Self-Reinforce

If goal met, self-reinforce with predetermined reinforcer

If goal not met, try again next week

# OBJECTIVES



## Describe

Describe the successes and challenges of using goal setting to promote self-management.



## Identify

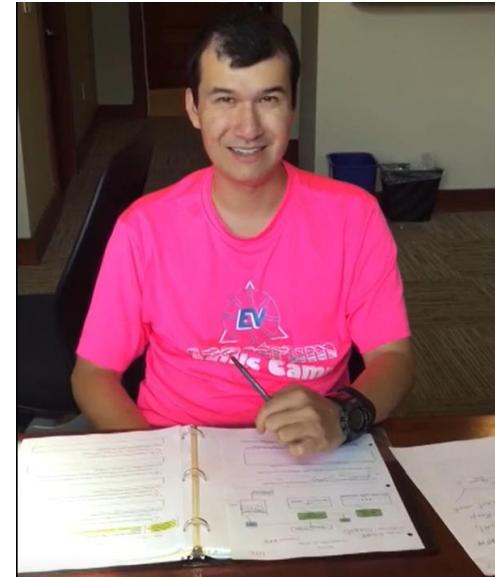
Identify evidence-based practices that may support individuals to be more independent in self-management.



## Use

Use evidence-based practices such as creating self-monitoring checklists to promote self-management strategies





PROMOTING USE OF SELF-MANAGEMENT STRATEGIES IN ADULTS WITH AUTISM SPECTRUM DISORDER AND INTELLECTUAL DISABILITY

- Brianne Tomaszewski, PhD
- [briannet@unc.edu](mailto:briannet@unc.edu)



# CSESA

The Center on Secondary Education for Students with Autism Spectrum Disorders