

多言語対応



MULTILINGUAL SYSTEM

公募型「ロボット実証実験支援事業」採択 (2015年)  
「介護ロボット等モニター調査事業」採択 (2016年)  
「かわさき基準 (KIS) 認証福祉製品」認証 (2016年)  
RECAREアワード2018 ヘルスデック部門 銅賞



福祉用具情報システムTAISコード  
TAIS:01681 - 000005



# TANO

## CONTENTS





# I want to be able to eat by myself

## To be able to eat without choking



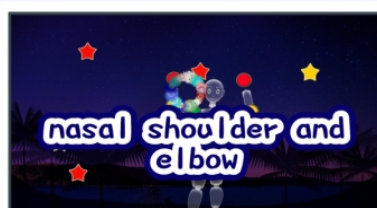
## To be able to eat with a spoon without assistance



## To prevent aspiration from posture and speaking



## Increase appetite by increasing body activity

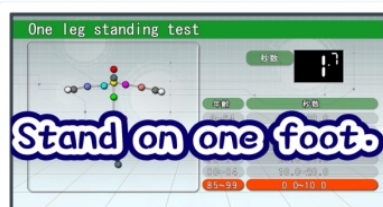


# I want to be able to go to the restroom/bath by myself

## Strengthen lower limb muscles to stabilize walking



## To be able to maintain balance as to not fall



## To be able to put on/ take off clothes by oneself





# I want to organize my own laundry

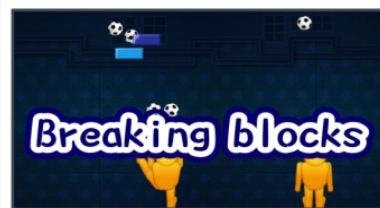
## To build up stamina



## To move safely and prevent falling



## To be able to hang and fold laundry





# I want to continue manage my own money

## Maintain/improve memory and judgment



## Maintain/improve ability to grip by moving fingers

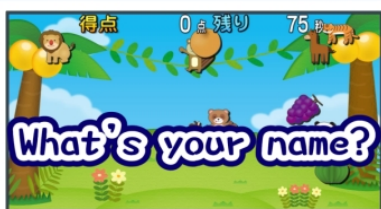


## To be able to move by oneself and manage own's backpack



# TANO's Goals and Planning Case Study 1

I want to talk



I want to make a call



I want to wash my hair



I want to wash my face



I want to drink medicine by myself





## TANO's Goals and Planning Case Study 2

### I want to apply make-up



### I want to clean and organize



### I want to draw and learn penmanship



### I want to take a picture



## TANO's Goals and Planning Case Study 3

### I want to go on a trip



### I want to shop



### I want to sing a song



### Garden care and field work



### I want to play an instrument





## TANO's Goals and Planning Case Study 4

### I want to do gymnastics/exercise



### I want to swim



### I want to play soccer



### I want to play baseball



### I want to go fishing



# TANO's Goals and Planning Case Study 5

## I want to gamble



## Other

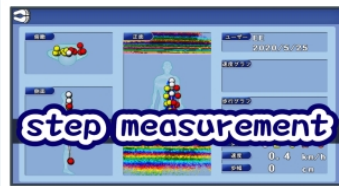




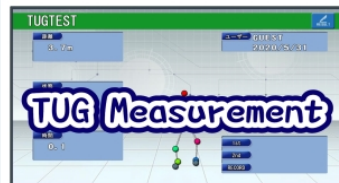
# Measurement function



Let's check the distortion and posture of the body  
there are real-time mode and countdown mode



Measure your stride and steps  
start 4.5m away from the sensor  
you can see the before and after at a glance



Stand up and walk from sitting → measure the time to sit  
(put a mark 3M ahead and make a U-turn)



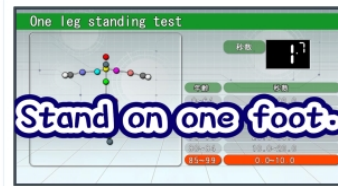
"Challenge how many times 1m width can be done in 20 seconds!  
If you reduce the width (changing the difficulty)



You can measure balance as needed



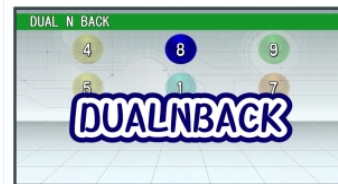
Use the whole body to touch small numbers in order and  
measure the number of seconds. You can change the  
difficulty level and the pattern.



Raise your knees and try to balance  
increasing the angle of your knees will increase the  
difficulty level



Measure your standing balance  
try to extend your arm as far as you can from 90 degrees  
up



Brain training while using the whole body  
memorize the flashing numbers and touch them N-1 →  
the last flashing number N-2 → the second flashing  
number N-3 → the third flashing number

# Whole body exercise



Dodge the water balloon and get the score



Tilt your body left or right along the course to move forward  
swinging your arms back and forth to accelerate



Batting with your arm or bat!



"Challenge how many times 1m width can be done in 20 seconds!  
If you reduce the width (changing the difficulty)



"Triathlon for 3 types



"Match the timing and jump as much as you want!  
If you jump in time



Aim at the target! Kick the ball  
after all the hits there are additional challenges



Raise your knees above 90 degrees and pull your elbows back to run  
be aware of your abs and train your core



Let's imitate an airplane while balancing one leg



Gupa Kick while moving your hands!  
Let's break the block using the whole body. It will be the ultimate course by making the setting difficulty difficult



Squat down and lower your arms to harvest the vegetables  
try to keep your center of gravity down as you move left and right



Let's erase the block using the whole body



# Upper limb exercises while sitting



How many shots can be decided within the time limit?



Move your arms like throwing a ball.  
Hit the numbers.



Move your arm up and down to stop the slot machine.



Move your body left and right to dodge the ball  
Gouper is more powerful than punch



Balance your arms with your hands open  
keep your arm height by mimicking the airplane in the middle!



Hit tennis balls with the racket.



Let's imitate Senju Kannon and train your arms and reflexes



Swing your arm like throwing a bowling ball.



Let's move the upper body greatly  
let's stretch our arms as much as possible and wipe the window!



Try stretching your arms forward and breaststroke



You can catch fish by moving your arms up and down or bending your elbows and moving from bottom to top.



"Move your arms up and down to break the firewood!  
If you raise your arm high

# Lower limb exercises while sitting



Let's walk with awareness of moving from the base of the foot



Touch the ball!! kick!



"Raise your knees and step on it! Try to shake your arms



Jump to avoid stepping on animals! It's OK to see you again



"If there is movement in the frame



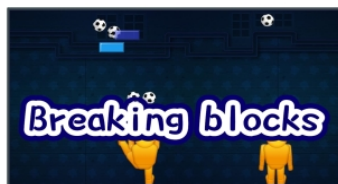
Jump the log! Let's do our best to raise both legs jumping the log in good time will increase the score



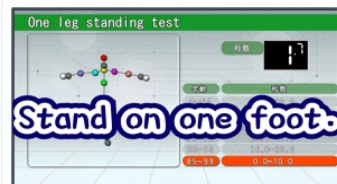
"Change the angle of the sensor to your feet and change it for lower limb exercise! When you move



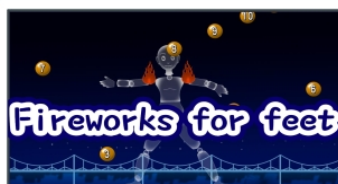
Enjoy your walk by stepping on!  
A commemorative photo will start when you reach the goal



Move your legs to kick! kick! Let's break the blocks adjust difficulty and time in settings



"Let's try to stand on one leg



"Kick the fireworks ball!! kick! The more you erase the numbers



Kick to start the game  
Hit the target!



# Upper limb exercises



Climb up by moving your arms up and down.



If you stretch your elbows and shake your arms a lot



Try to use your whole body to shake your arms hitting everything will give you additional challenges



Touch the falling firework balls with your hands to set them off!



"Flying a falling egg up transforms it into a ""chick"" the color changes as you fly over and over"



Swing your arm like throwing a bowling ball.



Move like the airplane on screen.



Let's challenge while facing forward!  
Try to move your arm backwards while conscious of your shoulder blades



Touch the same cards



Get the gem vigorously as you shake your arm up and down



Use the fireworks balls on your shoulders to erase the numbers and you'll get points  
move your shoulders left and right



"Get the score by touching the same color as the falling stars!  
If you make the difficulty difficult

# Lower limb exercises



Kick to start the game  
Hit the target!



Let's put the falling ball to your feet!



"Let's run with the legs raised high (Let's walk)  
It gives a firm load to the psoas muscle



"Repeating flexion and extension will move you forward  
by adjusting the width and angle of your foot



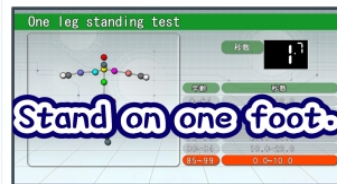
Increased difficulty by devising the angle of the toes and  
the way the hips are dropped



Step on the mole and get rid of it  
it's a game about watching yourself from above!



Use your head and body to control the bar  
bounce the ball to break the blocks



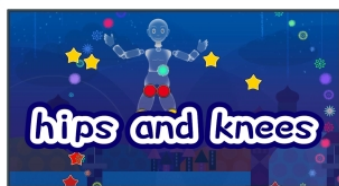
Try to keep your knees above 90 degrees and use your  
trunk



Let's try to jump from the squat position as much as  
possible



Protect the goal! It's a game about looking at yourself  
from above!



"Get the score by touching the same color as the falling  
stars!  
If you make the difficulty difficult



Count how many times you can stand and sit in 30  
seconds  
make sure you have a stable chair



# Finger exercises



Clap your hands to decide the putter!



Let's move the palm of the hand to make a Xmas decoration



Let's move the palms of the palms to harvest fruits



Clap your hands in time! The target is broken if you make a sound



"If you open your hands



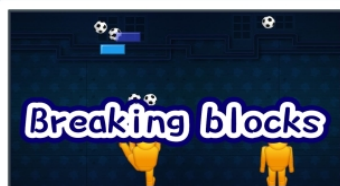
Fishing with tools! Strengthen your grip keep your patience as the fish won't hit the rod as you move!



"If there is movement in the frame



The moment the pitcher throws the ball into the red frame try moving your hand or finger to hit the ball



Open your hands and close them to break the blocks. Adjust the difficulty and time in the settings



I can play.



Trace the line correctly to get a high score.

# Language training



Shout to stop the moving face parts where you like.



"I will make a voice when the target is in the middle  
it will be more effective if you work on the theme of the  
speech such as ""pa"" ""ta"" ""ka"" ""ra"""



Try moving your hands or speaking out  
enjoy a fluffy mystery experience



"Talk aloud and collect marbles in the wagon  
the more you say



Answer the name of what you see on the screen



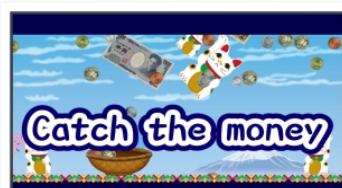
"Photographing will start in response to the voices of ""yes  
cheese""



Balls come out from the direction of your voice.  
Put them in the holes.



Let's check your English pronunciation.



The basket will move in the direction of the sound  
pick up what is falling from the sky!



# Recreation



Sing and erase the candle to take a commemorative photo!



Let's climb the mountain while singing a song



Up to 6 people can enjoy at the same time  
you can also make props and enjoy



You can take pictures in response to your voice  
enjoy the slideshow after you take a picture



Recognize the angry expression  
who laughs a lot?



"Let's split into left and right



Drop the ball and let the numbers bingo! They will  
disappear if the same numbers overlap



Aim for high scores while moving your body  
move your arms up and down and the slots will stop



"Let's enjoy by scoring points with one team of 3 people!  
If you jump in time



It's exciting just playing it automatically

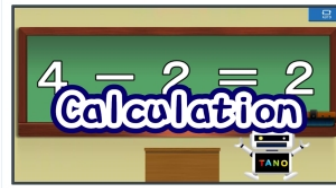


100 people can enjoy at the same time

# Brain training



Let's add up to make 10!



Do you know the math?



When you rearrange the letters, it becomes a word. Let's guess



Let's apply hidden words!



