

## SENSORY GUIDE: TECHNOPOLIS

# TABLE OF CONTENTS

Table of contents ..... 2

How to use the sensory guide? ..... 3

Lifting a car (Entrance to Technopolis) ..... 5

The Children’s Science Centre ..... 6

The Main Exhibition ..... 41

ON/OFF ..... 135

The Science Garden ..... 153

The ‘Sea Force’ exhibition ..... 167

# HOW TO USE THE SENSORY GUIDE?

It's great that you have decided to visit Technopolis. Working together with Technopolis, Tourism for Autism has created a sensory guide to help you prepare for this activity.

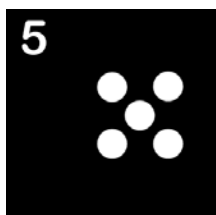
Below you can read how to use this sensory guide.



There is a lot of information in this sensory guide.

Not all of this information is important for everyone.

You can choose which information it is important for you to know.



There are five zones in Technopolis.



First you will always find general information about the zone.

You can read where the zone is.

You can read what stimuli you will hear and see throughout the zone.

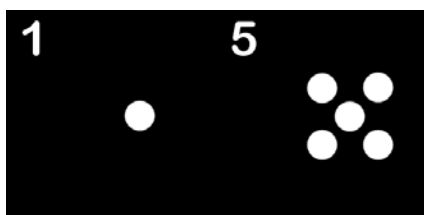
You can also read how hot it is in each zone.



After the overview page for each zone, all the exhibits in the zone are described.

You can read the name of each exhibit and see a picture of what it looks like.

You can then read about which stimuli you will hear, see and feel with this exhibit.



Each stimulus is scored from 1 to 5.

The stronger the stimulus, the higher the score.

The weaker the stimulus, the lower the score.

# TECHNOPOLIS GENERAL INFORMATION

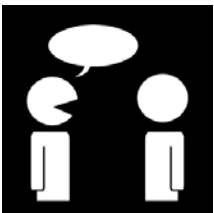
Sometimes an exhibit may not work. Sometimes an exhibit may not be in the room. This is okay.  
Technopolis employees are working behind the scenes on this exhibit.  
If you come to Technopolis again, this exhibit may be there.



Sometimes an exhibit may be in use by someone else.  
This is okay.  
If so, do your best to wait patiently.



At some exhibits there may be a queue.  
If you want to use this exhibit, you will need to do your best to wait patiently in line.



Sometimes an exhibit may be in a different location.  
You can ask an employee where an exhibit is if you can't find it.

# TECHNOPOLIS ENTRANCE

## LIFTING A CAR



### Description of the activity:

Hang off one of the ropes.

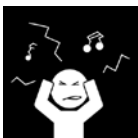
This will enable you to lift the car.

## STIMULI



### Intensity: 2

You will see the car moving.



### Intensity: 1

This exhibit doesn't make any sound.



### Intensity: 4

You will feel yourself going up and down.

You will feel the plastic around the ropes.



# THE CHILDREN'S SCIENCE CENTRE

## GENERAL INFORMATION



### Description:

The Children's Science Centre is an exhibition space for children aged 4 years and over. The exhibition space is on floor 0.

## STIMULI

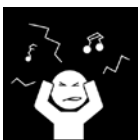


### Intensity: 3

You will see many colours in the Children's Science Centre.

You will see lots of different activities.

There are no bright lights.



### Intensity: 5

In this room you will hear many different loud noises.

You will hear the sounds of the activities.

You will hear the sounds of the other children playing.

On Wednesdays, at weekends and in the school holidays, you will hear the sound of the public address system.

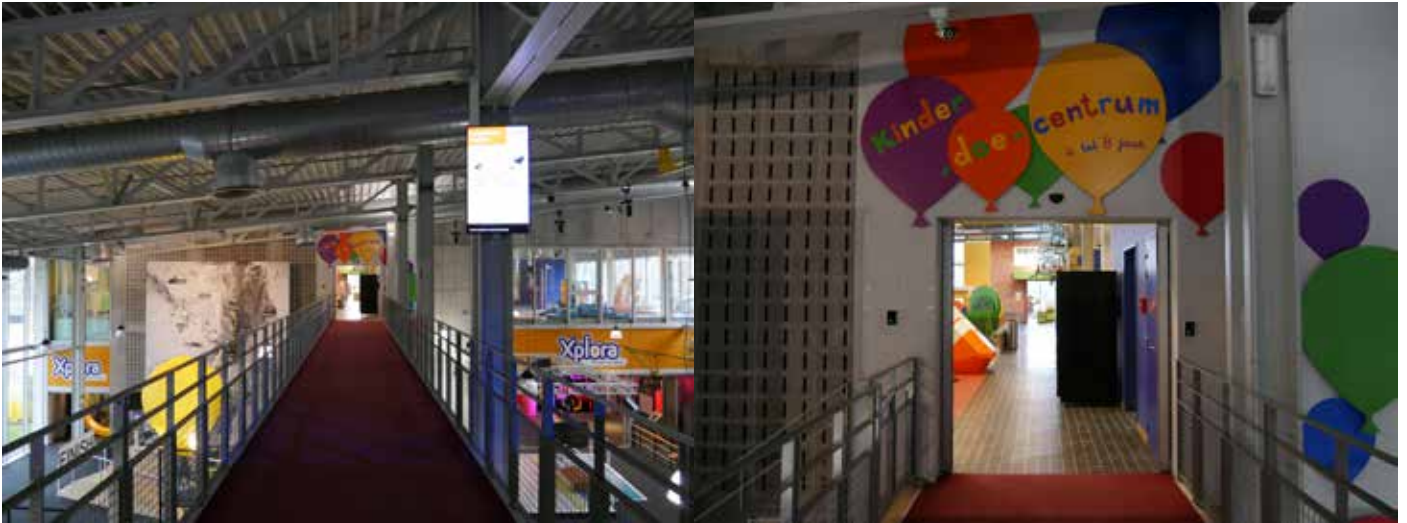


### Intensity: 2

It is colder in this room.

# THE CHILDREN'S SCIENCE CENTRE

## GENERAL INFORMATION



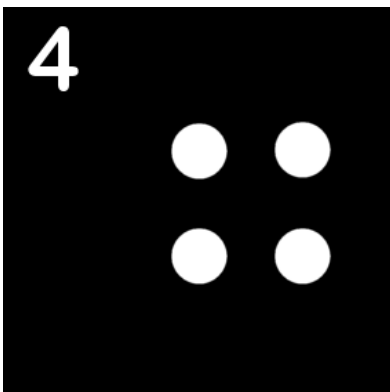
You get to the Children's Science Centre via the walkway at the beginning of the main exhibition.



At the end of the Children's Science Centre there is a glass floor.

You can walk on the floor.

The glass is strong and will not break.



There are four zones in the Children's Science Centre:

- The park
- The worksite
- The city
- My body

The four zones are covered in the following pages.

# THE CHILDREN'S SCIENCE CENTRE

## GENERAL INFORMATION



There is a theatre in the Children's Science Centre.  
Sometimes this theatre may be closed. This is okay.



You enter the theatre through this door.



# THE CHILDREN'S SCIENCE CENTRE

## THE PARK



The first zone in the Children's Science Centre is the park.

The park is full of surprises!

Find out if you can hear better with giant animal ears, see through the eyes of a fly, crawl into a tortoise's shell and play hide and seek in a tree trunk.



### Description of the activity:

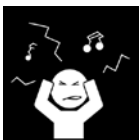
The characters on the screen can sing opera. Drag them up or down to make them sing. Press the speaker icon to switch a voice off. Press the globe to choose another location. Press the musical note to make them sing a different song.

## STIMULI



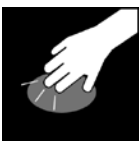
### Intensity: 1

The screen radiates bright light.



### Intensity: 3

You hear the blobs singing.



### Intensity: 1

You touch the screen.

# THE CHILDREN'S SCIENCE CENTRE

## THE PARK: WITH ALL YOUR WORLDLY GOODS ON YOUR BACK



### Description of the activity:

Crawl through the tree trunk.

Then crawl through the tortoise's shell.

You will then be able to see yourself as a tortoise in the mirror.

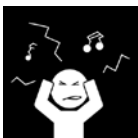
## STIMULI



### Intensity: 1

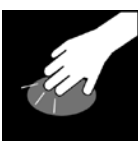
There isn't much light in the tree trunk.

You will see yourself as a tortoise in the mirror.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 1

You will need to crawl on your hands and knees through the tree trunk and the tortoise shell.

# THE CHILDREN'S SCIENCE CENTRE

## THE PARK: HOP-UP PLAYGROUND



### Description of the activity:

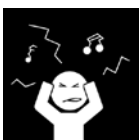
Here you can build a hut or tunnel or tower with the blocks.

## STIMULI



### Intensity: 3

This exhibit is quiet.



### Intensity: 1

This exhibit does not make much noise.

When the blocks bump against each other, you will hear a tapping noise.



### Intensity: 2

You will need to touch the blocks in order to stack them.



### Description of the activity:

You can stand between the wings of the butterfly.

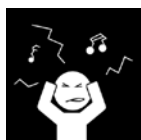
You will look exactly like a butterfly yourself.

## STIMULI



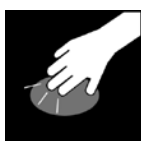
### Intensity: 2

The butterfly has bright colours.



### Intensity: 1

This exhibit doesn't make any sound.



### Intensity: 1

You don't have to touch anything if you don't want to.





### Description of the activity:

Sit inside the cabin.

You can control the rocket that flies through the Children's Science Centre.

On the screen you will see the camera image of the rocket.

## STIMULI



### Intensity: 2

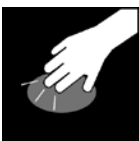
You will see a screen.

The screen emits light.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 2

You will need to touch the buttons.

# THE CHILDREN'S SCIENCE CENTRE

## THE WORKSITE



The second zone in the Children's Science Centre is the worksite.  
On the worksite you can play with gears, tile a roof and finish a house that's under construction.

# THE CHILDREN'S SCIENCE CENTRE

## THE WORKSITE: BUILDING WITH BLOCKS



### Description of the activity:

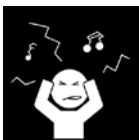
You can build something with KAPLA blocks.

## STIMULI



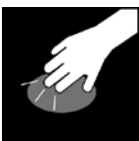
### Intensity: 1

This exhibit is quiet.



### Intensity: 2

When the blocks bump against each other, you will hear a tapping noise.



### Intensity: 2

You will need to touch the blocks in order to stack them.



### Description of the activity:

You can sit in the site hut.

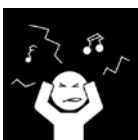
It's quiet in there.

## STIMULI



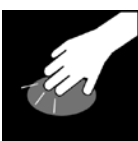
### Intensity: 1

This exhibit is quiet.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 1

You don't have to touch anything if you don't want to.

# THE CHILDREN'S SCIENCE CENTRE

## THE WORKSITE: THE GRAB CRANE



### Description of the activity:

Grab blocks using the grab crane.

Control the grab crane using the levers at the top of the grab crane.

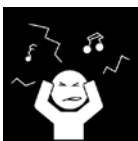
## STIMULI



### Intensity: 2

You will move the grab crane.

You will see the blocks moving.



### Intensity: 2

The grab crane makes a beeping sound.



### Intensity: 2

You will need to press the button on the right to start the grab crane.

You will need to move the handles of the grab crane.





### Description of the activity:

Place the blue shelves in the wall.

Let a ball roll from the top down the track you've made.

If the ball goes off the track, it's not a problem.

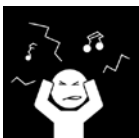
You can always improve the track.

## STIMULI



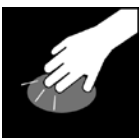
### Intensity: 1

You will see the ball rolling from top to bottom.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 1

You will need to touch the wooden planks.

You will need to touch the ball.

# THE CHILDREN'S SCIENCE CENTRE

## THE WORKSITE: THE MAGNETIC CRANE



### Description of the activity:

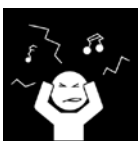
Try to lift blocks with the magnetic crane.  
Move the crane using the buttons on the left.

## STIMULI



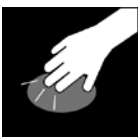
### Intensity: 2

You will need to move the magnetic crane.  
You will see the blocks moving.



### Intensity: 2

The magnetic crane makes a beeping sound.  
If you release a block from a height, it may make a noise.



### Intensity: 2

You will need to press the buttons on the magnetic crane.



### Description of the activity:

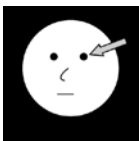
Raise the coloured bricks.

Put them in the basket.

Turn the wheel to raise the basket.

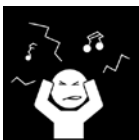
Turn the crane to make it move back and forth.

## STIMULI



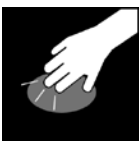
### Intensity: 1

You will see the crane moving.



### Intensity: 2

The crane makes a beeping sound.



### Intensity: 2

You will need to turn the crane and the handle.

This will feel cold.

# THE CHILDREN'S SCIENCE CENTRE

## THE WORKSITE: BRICKS



### Description of the activity:

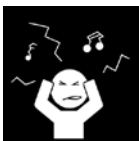
You can continue building the house with the bricks in the containers.

## STIMULI



### Intensity: 2

The bricks have different bright colours.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 2

You will need to touch the bricks in order to stack them.  
The bricks are made of hard foam.



### Description of the activity:

Place gears on the wall.

When you turn the blue gear, the other blue gear should turn if you have put the pieces in the right places.

## STIMULI



### Intensity: 2

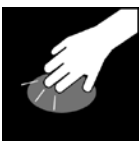
The gears have bright colours.

The gears move.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 1

You will need to place the gears on the wall.





### Description of the activity:

Place the roof tiles on the roof.

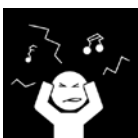
You can finish the roof this way.

## STIMULI



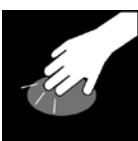
### Intensity: 1

This exhibit is quiet.



### Intensity: 2

The roof tiles make a tapping sound when you place them on the wall or when they knock against each other.



### Intensity: 2

You will need to touch the roof tiles.

# THE CHILDREN'S SCIENCE CENTRE

## THE CITY



The third zone in the Children's Science Centre is the city.

Life in the big city excites the imagination of even the youngest children!

Bake your own pizzas and deliver them, serve in a restaurant, fill the shelves in a supermarket, print yourself a bank note at the bank or replace the tyre on our new Jeep...



### Description of the activity:

You will probably have to queue for this exhibit.

Push the card into the machine. Then press the screen with one finger. Wait one minute and a photo of you will be taken. Enter a code on a panel. You will receive bank notes with your photo on them. This is not real money.

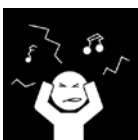
## STIMULI



### Intensity: 2

The screen emits light.

When the banknotes are ready, a bright light shines around the container they are in.



### Intensity: 2

You will hear a beeping sound when you enter the code.



### Intensity: 2

You will feel the metal card. It will feel warm or cold.

You will feel the banknotes. They are made of smooth paper.

# THE CHILDREN'S SCIENCE CENTRE

## THE CITY: THE PIZZERIA



### Description of the activity:

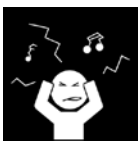
In the restaurant you can pretend that you are making your own pizza.  
You can serve this pizza to the guests in the restaurant.

## STIMULI



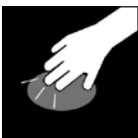
### Intensity: 2

There are several bright spotlights in the restaurant.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 2

The pizza topping is made of fabric.  
If you want to top the pizza you will need to touch the fabric.

# THE CHILDREN'S SCIENCE CENTRE

## THE CITY: THE GARAGE



### Description of the activity:

In the garage you can work on the car.

There are some buttons in the car.

You can press these buttons if you want to.

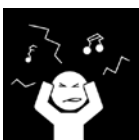
## STIMULI



### Intensity: 2

You will see several objects in the garage.

It is fairly quiet in the garage.



### Intensity: 3

When you press the buttons in the car, you will hear sounds such as a horn, an indicator and so on.



### Intensity: 3

In the garage you can touch the car, tyres, work equipment and so on.



# THE CHILDREN'S SCIENCE CENTRE

## THE CITY: THE SHOP



### Description of the activity:

In the shop you can pretend that you are shopping.

You can also pretend to work at the till.

You can scan the groceries.

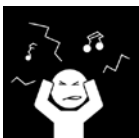
## STIMULI



### Intensity: 2

You will see different items in the shop.

You will see different bright colours.



### Intensity: 2

When you scan the groceries at the till, you will hear a beeping sound.



### Intensity: 2

You can touch the groceries.

# THE CHILDREN'S SCIENCE CENTRE

## THE CITY: A GOOD IMPRESSION OF YOURSELF



### Description of the activity:

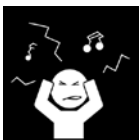
Press your whole body or a part of your body against the red pins.  
You will then see an imprint of your body in the red pins.  
This doesn't hurt.

## STIMULI



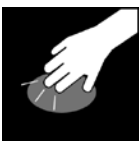
### Intensity: 1

This exhibit is quiet.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 3

You will feel the soft, red pins on the part of your body that you push against it.



The fourth zone in the Children's Science Centre is my body.

In the My Body zone, you can get under ... your own skin!

Get behind the wheel of a real ambulance, lie down on a stretcher or cycle around with a skeleton!



### Description of the activity:

Rotate the different blocks.

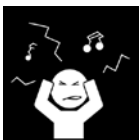
By doing so, you can combine different eyes with different mouths, noses and hair.

## STIMULI



### Intensity: 1

This exhibit is fairly quiet.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 1

You will need to move the blocks.



### Description of the activity:

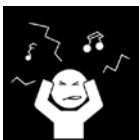
Press the button to make the spiral start moving.  
Yet the ball stays in the same place.

## STIMULI



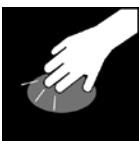
### Intensity: 2

You will see that the ball stays in the same place even though the spiral moves.  
This can make your eyes feel strange.



### Intensity: 1

This exhibit doesn't make any sound.



### Intensity: 2

You will feel the plastic button.



# THE CHILDREN'S SCIENCE CENTRE

## MY BODY: SURPRISE BIKE



### Description of the activity:

Start cycling.

You will suddenly see a skeleton cycling alongside you in the mirror.

## STIMULI



### Intensity: 2

You will suddenly see a skeleton appear.



### Intensity: 1

This exhibit doesn't make any sound.



### Intensity: 2

You will need to make pedalling movements on the pedals.



### Description of the activity:

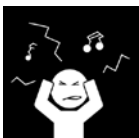
You can build with the blue blocks.

## STIMULI



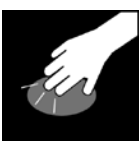
### Intensity: 1

This exhibit is quiet.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 2

You will need to touch the blue blocks.

The blocks are made of hard foam.

# THE CHILDREN'S SCIENCE CENTRE

## THE BODY: THE HEAT-SENSITIVE FLOWER



### Description of the activity:

Press the button to make the lamp switch on.

The metal strips will open like a flower.

Keep pressing the button.

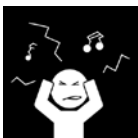
This makes the light go out and the metal strips close.

## STIMULI



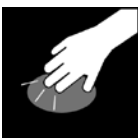
### Intensity: 2

You will see a light when the flower opens.



### Intensity: 1

This exhibit doesn't make any sound.



### Intensity: 2

You will feel a plastic button.



### Description of the activity:

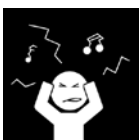
You can stand in front of the mirror to look at your body.

## STIMULI



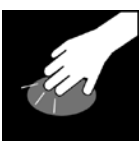
### Intensity: 2

You will see yourself in the mirror.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 1

You don't have to touch anything if you prefer not to.



### Description of the activity:

There is an ambulance in this zone.

You can sit in the ambulance if you want.

You can press the buttons in the ambulance if you want.

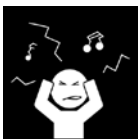
You will then hear the siren, for example.

## STIMULI



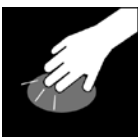
### Intensity: 2

There is a lot to see in the ambulance.



### Intensity: 3

When you press the buttons in the ambulance, you will hear noises such as the ambulance siren.



### Intensity: 2

You will need to touch the objects and buttons in the ambulance.





### Description of the activity:

You can look at your body in the crazy mirrors.

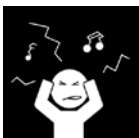
These mirrors will make your body look bigger, smaller, crooked, fatter or thinner.

## STIMULI



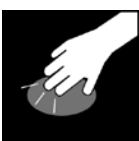
### Intensity: 2

Your body will look different in the crazy mirrors.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 1

You don't have to touch anything if you don't want to.

# THE MAIN EXHIBITION

## GENERAL INFORMATION



### Description:

The main exhibition is the largest exhibition in Technopolis.

You will find the main exhibition on the Avenue, on floor 0 and floor -1.

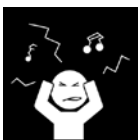
## STIMULI



### Intensity: 4

In this room you will see many objects.

The information screens and spotlights in this room emit a bright light.



### Intensity: 5

In this room you will hear many different loud noises.

You will hear noises from the activities and from the other visitors. On Wednesdays, at weekends and in the school holidays, you will hear the sound of the public address system.



### Intensity: 4

The temperature in the room can vary from day to day.

Sometimes it is quite warm in the rooms.

Sometimes it is quite cool in the rooms.

# THE MAIN EXHIBITION

## GENERAL INFORMATION



You can move between floor 0 and floor -1 via the ramp or using the fire station pole that you can slide down.



There is also a lift for wheelchair users and people with reduced mobility.



You can request access to the lift from the reception staff.



### Description of the activity:

Stand in front of the screen.

You will see yourself, but each time in the style of a different well-known painting.

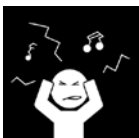
## STIMULI



### Intensity: 2

You will see yourself as a painting.

There will be light coming from the screen.



### Intensity: 1

This exhibit doesn't make any sound.



### Intensity: 1

You don't have to touch anything if you don't want to.



Description of the activity:

You will see strange characters and try to guess the next character.

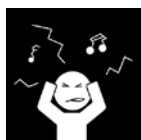
It's a kind of code.

## STIMULI



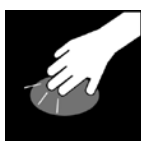
Intensity: 1

This is a quiet exhibit.



Intensity: 1

This exhibit doesn't make any sound.



Intensity: 2

You need to lift the panel to see the solution.

The metal handle may feel cold.





### Description of the activity:

Walk past the exhibit.

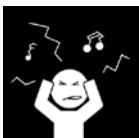
After a while your image appears on the screen.

## STIMULI



### Intensity: 2

There will be light coming from the screen.



### Intensity: 1

This exhibit doesn't make any sound.



### Intensity: 1

You don't need to touch anything.



Description of the activity:

Slide the slider back and forth.

The circles appear to be going round and round.

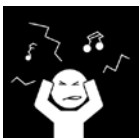
### STIMULI



Intensity: 2

The circles appear to be going round and round.

This may feel strange.



Intensity: 1

This exhibit doesn't make any sound.



Intensity: 2

You will feel the plexiglass slider.



### Description of the activity:

Slide the slider from left to right.

The square appears to consist of curved lines.

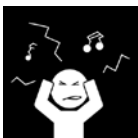
## STIMULI



### Intensity: 2

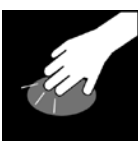
At first you will see a square with straight lines, but after a while it will seem to have curved lines.

This may feel strange.



### Intensity: 1

This exhibit doesn't make any sound.



### Intensity: 2

You will feel the metal on the slider.

This may feel cold.



Description of the activity:

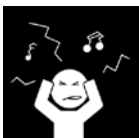
This exhibit consists of two bars of LED light that move very quickly.  
This creates a moving image.

## STIMULI



Intensity: 2

You will see the luminous image moving.  
This may feel strange.



Intensity: 1

This exhibit doesn't make any sound.



Intensity: 1

You don't need to touch anything.



### Description of the activity:

Put an emoji on one plate.

You will see the emoji appear on the other plate.

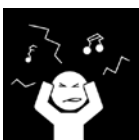
### STIMULI



#### Intensity: 4

One plate emits a bright light.

The spotlight at the top of the exhibit shines a bright light onto the other plate.



#### Intensity: 2

You will hear a tapping sound when the emojis collide.

This sound is fairly quiet.



#### Intensity: 1

You will need to touch the emojis.

They have a smooth texture.





### Description of the activity:

Light comes from the white plate in the photo. The plate is wet and cold.

You can take the green frames out of their holder and move them above the plate.

You can also hold the frames in front of each other.

When you do this, the colour of the ice crystals on the plate will change.

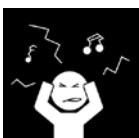
## STIMULI



### Intensity: 2

There is a lamp hanging above the exhibit.

This lamp emits a bright white light.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 3

There is water on the white plate.

This water freezes.

The ice feels cold.



Description of the activity:

Move the green balls. These allow you to rotate the mirrors and also to direct the laser beam towards the mirrors. This will make the light reflect from one mirror to the other.

You can try to bounce the light onto the yellow sensor. Mist comes out of the holes in the table. You can then see the laser beam clearly.

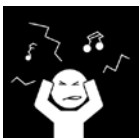
## STIMULI



Intensity: 3

The explanation of the exhibit is on a screen.

This screen emits a bright white light.



Intensity: 2

When the mist comes out of the holes, you will hear a psst sound.



Intensity: 1

You will need to move the mirrors using the green handles.



Description of the activity:

Hold your hand above the black plate.

The computer and microcontrollers in this exhibit will display an image of your hand on the screen in front of you.

## STIMULI

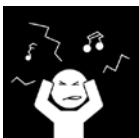


Intensity: 2

The explanation of the exhibit is on a screen.

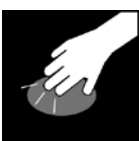
This screen emits a bright white light.

There is a bright lamp hanging above the exhibit.



Intensity: 1

This exhibit does not make much noise.



Intensity: 1

You don't need to touch anything.

You can let your hand hover above the black plate.



Description of the activity:

Press the button. The light in the pendulum comes on.

Push the pendulum to start it moving.

You will see a wave appear on the conveyor belt.

You can turn a dial to make the conveyor belt go faster.

## STIMULI

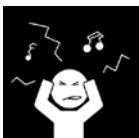


Intensity: 3

The explanation of the exhibit is on a screen.

This screen emits a bright white light.

The pendulum projects a bright light onto the conveyor belt.



Intensity: 1

This exhibit does not make much noise.



Intensity: 2

You will need to press the button.

You will need to push the pendulum to start it moving.

You will need to turn a dial to change the speed.



Description of the activity:

Take one of the figures in the cabinet.

Keep the figure in the laser plane.

This makes a cross section appear in the figure.

You can also choose different figures if you want.

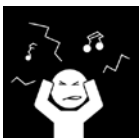
## STIMULI



Intensity: 2

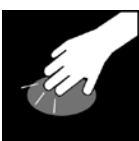
The explanation of the exhibit is on a screen which emits a bright white light.

There are several lasers with red light around the laser plane.



Intensity: 1

This exhibit does not make much noise.



Intensity: 2

You will need to touch the plastic figures.





### Description of the activity:

Turn the wheel.

This makes the tubes containing invisible noble gases start to rotate.

Each of the gases glow in turn.

As a result, the gases are no longer invisible.

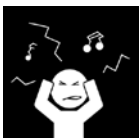
## STIMULI



### Intensity: 2

The explanation of the exhibit is on a screen which emits a bright white light.

Each of the noble gases in the tubes glow bright white or bright orange-red in turn.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 2

You will need to turn the wheel.



Description of the activity:

Change the position of the lenses or fold them in or out.

Put your head on the green chinrest on the long table.

Look through the lenses at the face or the smiley on the other side.

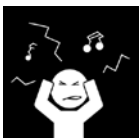
## STIMULI



Intensity: 2

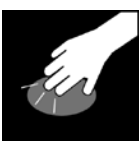
The explanation of the exhibit is on a screen which emits a bright white light.

When you press the button, a light comes on in the frame around your face.



Intensity: 1

This exhibit does not make much noise.



Intensity: 4

You need to place your chin on the green chinrest.

You need to move the lenses back and forth.

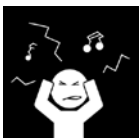
Description of the activity:

There are three interactive displays in the main exhibition. In each case, you will see a large screen with instructions on it. You can press buttons or turn a green wheel to carry out the tasks. On the 'Timelapse' display, one of the things you can see is a video of a rotting carcass.

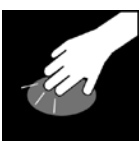
## STIMULI

Intensity: 3

The explanation of the exhibit is on a screen which emits a bright white light.  
You will be standing in a dark room.  
In front of you will be a bright screen.

Intensity: 1

This exhibit does not make much noise.

Intensity: 2

You will need to press buttons and turn a green wheel.

Description of the activity:

Press the button and stand against the wall.

A bright flash will then appear all over the wall. You will hear a beeping noise.

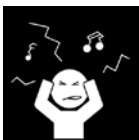
Your shadow will now be on the wall.

You can use the black light pen to draw on the wall.

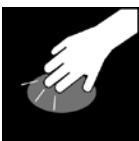
## STIMULI

Intensity: 5

When you press the button, a bright flash will light up the room. The black light pen emits a bright light. If you want to avoid the bright flash and beeping noise, you can also just draw on the wall with the light pen.

Intensity: 3

You will hear a loud beeping that gets faster and faster. This lets you know that the flash is coming.

Intensity: 1

You will need to press a green button.



Description of the activity:

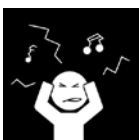
Place the round metal plates between the magnets.  
You can also try pulling them off.

## STIMULI



Intensity: 1

This exhibit is quiet.



Intensity: 1

This exhibit does not make much noise.



Intensity: 3

The magnets and the round metal plates feel cold.





### Description of the activity:

Turn the wheel.

The water moves away from the centre.

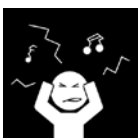
## STIMULI



### Intensity: 4

You will be in a dark room.

The exhibit emits a bright white light.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 1

You will need to turn the wheel.



Description of the activity:

Shout into the tube.

You will hear your echo.

Press a button so that the valve inside the tube makes it close.

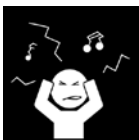
Depending on which valve you close, you will hear your echo more quickly or slowly.

## STIMULI



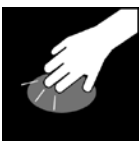
Intensity: 1

This exhibit is quiet.



Intensity: 2

It's up to you how loudly you shout into the tube.



Intensity: 1

You will need to press a button.



Description of the activity:

Press the green button. Move your fingers over the field in the centre.

The iron filings will now move according to the movements of your fingers.

Press a button on the right. This will make a song play.

The iron filings will do a dance to the song.

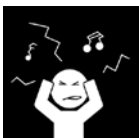
## STIMULI



Intensity: 2

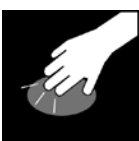
The explanation of the exhibit is on a screen that emits a bright white light.

The names of the songs are on a screen that emits a bright white light.



Intensity: 3

The exhibit makes music.

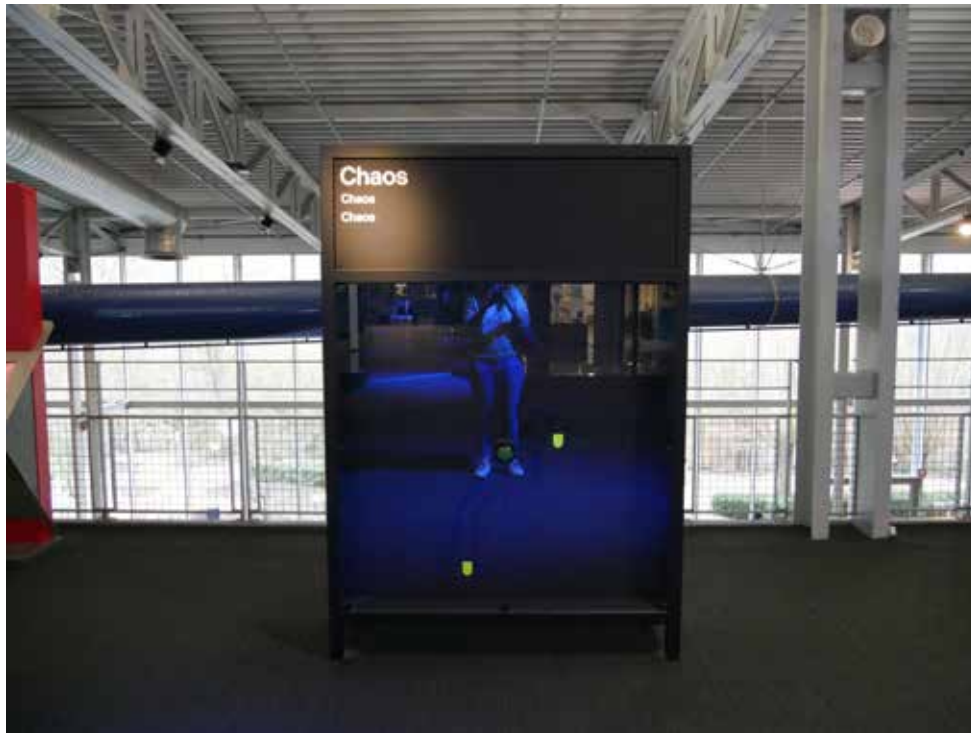


Intensity: 2

You will need to press the green button.

You will need to move your fingers over the field.

The field feels smooth.



### Description of the activity:

Turn the green wheel.

The pendulum in the middle will move.

The pendulum will move in a different way each time.

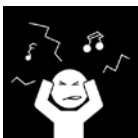
## STIMULI



### Intensity: 2

There is a bright spotlight above the exhibit.

The pendulum moves.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 1

You will need to turn the wheel.



Description of the activity:

Turn the green knobs. Watch the rods.

One rod seems to disappear into the liquid, but the other rod doesn't.

You can also turn the rod without it ending up in the liquid. Then it won't disappear.

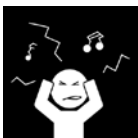
## STIMULI



Intensity: 3

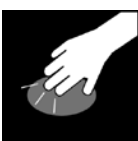
You will be in a dark room.

The exhibit emits a bright light.



Intensity: 1

This exhibit does not make much noise.



Intensity: 2

You will need to turn the green knobs.





### Description of the activity:

Press the green button once.

A tornado appears in the exhibit.

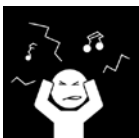
## STIMULI



### Intensity: 2

The explanation of the exhibit is on a screen which emits a bright light.

The tornado makes a rotating movement.



### Intensity: 3

You will hear the sound of wind.



### Intensity: 3

You will feel the cold wind.



Description of the activity:

Turn the green wheel until all the lights are on.

You may have to be patient as you wait for all the lights to come on. This is okay.

Then press the green button.

This will cause the rocket to be launched.

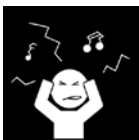
## STIMULI



Intensity: 2

The explanation of the exhibit is on a screen which emits a bright white light.

You will see the rocket moving.



Intensity: 2

You will hear a bang when the rocket is launched.



Intensity: 3

You will need to turn the green wheel to launch the rocket.



Description of the activity:

In this cockpit you can play a game.

In the game, it feels like you are flying a plane yourself.

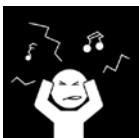
## STIMULI



Intensity: 3

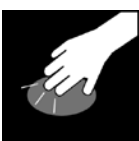
You will be in a dark room.

In front of you are some screens which emit a bright light.



Intensity: 2

You will hear the sound of the game.



Intensity: 2

You will need to touch the plane's controls.

You will need to sit in the plane's seat.



### Description of the activity:

You will need to press a button.

An air stream comes from the fan.

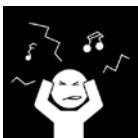
Hold the ball at the bottom of the tube until it rises up due to a pressure difference.

## STIMULI



### Intensity: 1

This exhibit is quiet.



### Intensity: 3

You will hear the loud noise of the fan creating the air stream.



### Intensity: 3

You will feel the cold air flowing from the fan.

## TRANSVERSE AND LONGITUDINAL WAVES



### Description of the activity:

Turn the wheel or pull and push the button.

Waves are created.

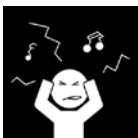
## STIMULI



### Intensity: 2

The explanation of the exhibit is on a screen which emits a bright white light.

You will see the slinkies moving.



### Intensity: 2

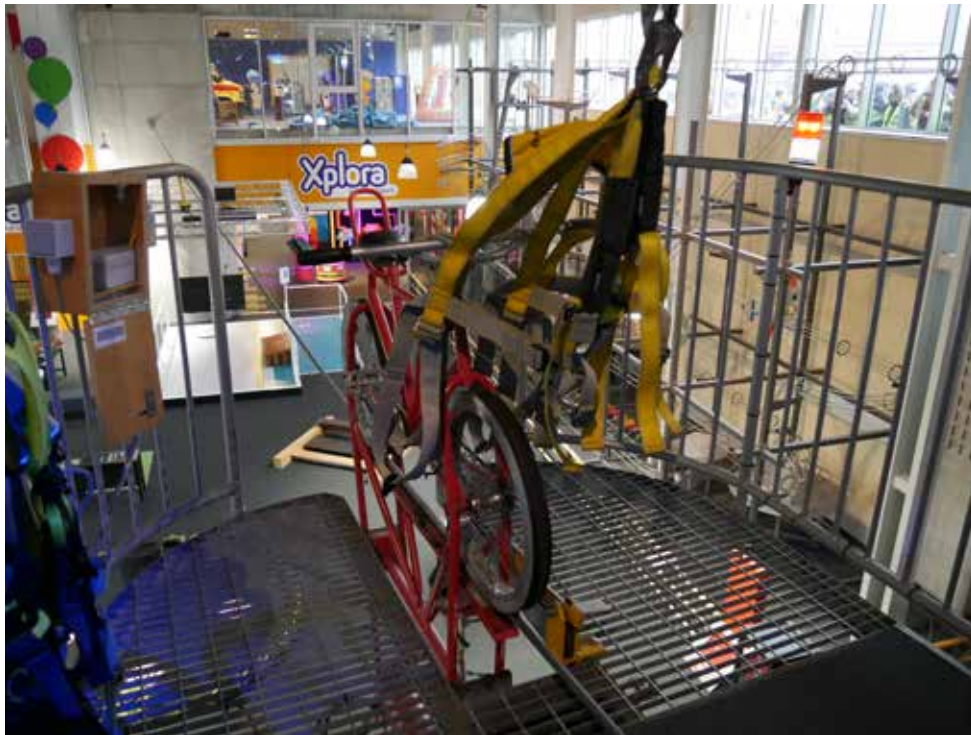
The slinkies make a rattling sound when they move.



### Intensity: 2

You will need to turn the wheel or pull and push the knob to move the slinkies.





Description of the activity:

You will probably have to queue for this exhibit. A Technopolis employee will put a harness around your feet as a safety precaution. The employee will explain what you need to do. You will cycle backwards and forwards on a cable, first backwards and then forwards.

This exhibit is not always open. If the exhibit is closed, you can see on the clock when it will open again.

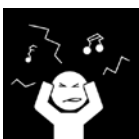
## STIMULI



Intensity: 2

You will see the ground below you.

You will be safe, because you will be securely attached.



Intensity: 2

You will hear the sound of the bicycle going over the cable.



Intensity: 5

You will feel the harness on your body.

You will need to cycle along the cable.



### Description of the activity:

Grab the ropes.

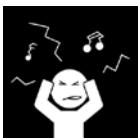
Try to move the load.

## STIMULI



### Intensity: 1

This is a quiet exhibit.



### Intensity: 2

If the load hits the table it may make a noise.



### Intensity: 3

You will feel the ropes.

You will need to try to move the load.

This is not easy.



### Description of the activity:

Stand in the middle of this triangle.

The inside of the triangle is made of mirrors.

You will see yourself like in a kaleidoscope.

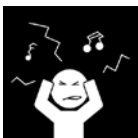
## STIMULI



### Intensity: 2

You will see lots of reflections of yourself.

This may feel strange.



### Intensity: 1

This exhibit doesn't make any sound.



### Intensity: 1

You don't have to touch anything if you don't want to.



### Description of the activity:

Stand on the platform at the end of the mirror.

Hold an arm and a leg out sideways.

It will look like you're flying!

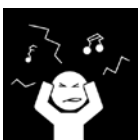
## STIMULI



### Intensity: 2

You will see yourself floating in the mirror, even though you're still standing on one leg.

This may feel strange.



### Intensity: 1

This exhibit doesn't make any sound.



### Intensity: 2

You don't have to touch anything if you don't want to.

You might want to touch the wall to keep your balance.

This may feel cold.



### Description of the activity:

Walk on the carpet.

The carpet is a maze.

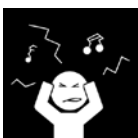
Follow the instructions on the carpet to get out of the maze.

## STIMULI



Intensity: 1

This exhibit is quiet.



Intensity: 1

This exhibit does not make much noise.



Intensity: 1

You will walk on a carpet.

This feels soft.





### Description of the activity:

Try to find a way to make the wheel turn.

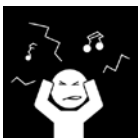
You can try different things like pressing buttons, scanning your fingerprint and much more.

## STIMULI



### Intensity: 1

This exhibit is quiet.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 1

You can touch different things like buttons, cables etc.



### Description of the activity:

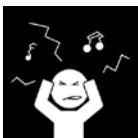
You can make the submarine move up and down by pushing the buttons or pumping the levers.

## STIMULI



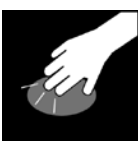
### Intensity: 2

There are some bright spotlights hanging above the water tank.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 2

You will need to push the buttons and pump the levers.



Description of the activity:

Turn the green disk to bring the marbles to the top.

When they reach the top, they will fall down onto the pins and then into the trays.

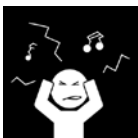
Press the green button to make the marbles fall out of the trays.

## STIMULI



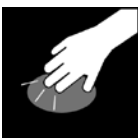
Intensity: 2

You will see the marbles moving in the Galton board.



Intensity: 5

You will hear a tapping sound as the marbles hit each other, the pins and the trays.



Intensity: 1

You will need to turn the green disk.



Description of the activity:

Press the green buttons.

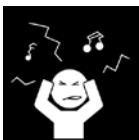
This enables you to make the magnet in the middle move.

## STIMULI



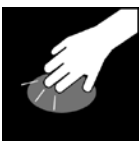
Intensity: 1

This exhibit is quiet.



Intensity: 1

This exhibit does not make much noise.



Intensity: 1

You will need to press green buttons.



### Description of the activity:

Turn the green disk.

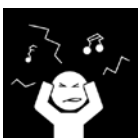
This will make the liquid in the squares move.

## STIMULI



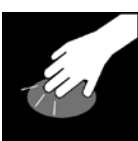
### Intensity: 1

You will see the liquid moving in the squares.



### Intensity: 1

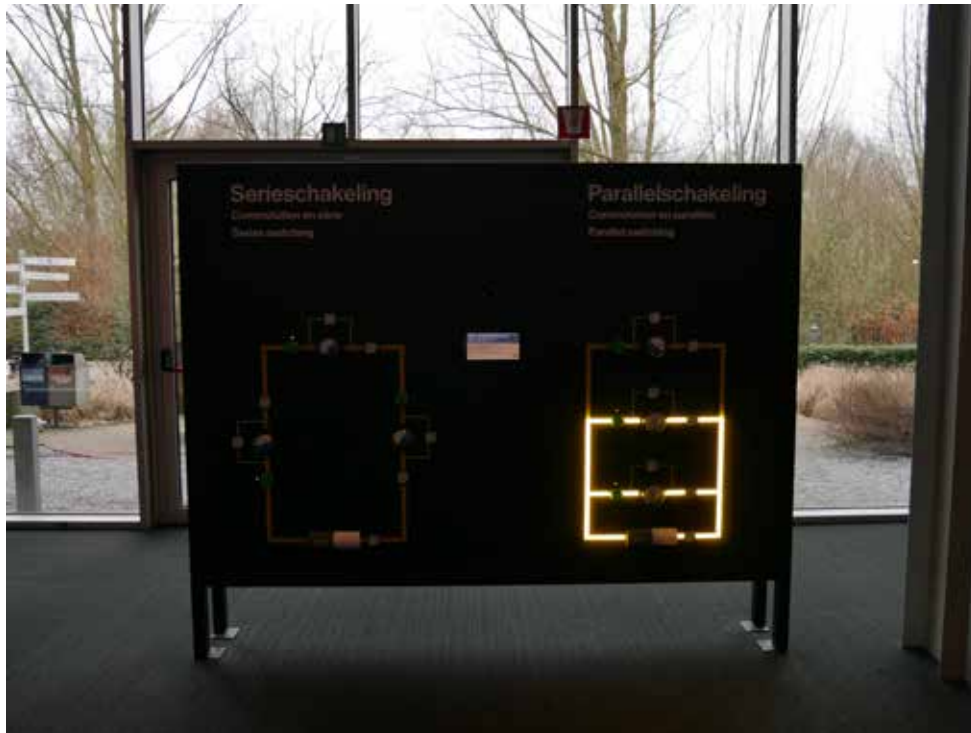
This exhibit does not make much noise.



### Intensity: 1

You will need to turn the green disk.



Description of the activity:

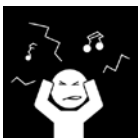
Turn the green knobs.

When the buttons are pointing in the right direction, a bright LED light will shine around the buttons and the mills will start turning.

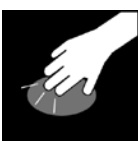
## STIMULI

Intensity: 4

When the buttons are pointing in the right direction, a bright LED light will shine around the buttons and the mills will start turning.

Intensity: 1

This exhibit does not make much noise.

Intensity: 1

You will need to turn the green knobs.



### Description of the activity:

Place the various disks with objects under the microscope.

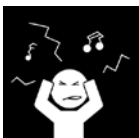
This enables you to see the objects magnified by the microscope on the screen.

## STIMULI



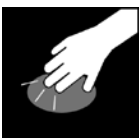
### Intensity: 4

You will need to place objects on a plate which emits a bright light.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 1

You will need to touch the disks with the objects in order to put them under the microscope.



### Description of the activity:

Roll both wheels to the same end.

Let them go.

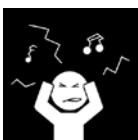
The wheels will carry on rolling at different speeds.

## STIMULI



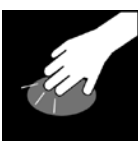
### Intensity: 1

You will see the wheels moving.



### Intensity: 2

You will hear a metallic sound as the wheels roll.



### Intensity: 1

You will need to touch the wheels.



### Description of the activity:

Take a scarf.

Put it somewhere in the middle between the yellow blocks.

Throw the scarf into the air if you want to.

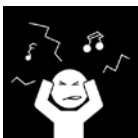
The scarf moves due to the air stream between the yellow blocks.

## STIMULI



### Intensity: 1

The scarf will move due to the air stream.



### Intensity: 2

You will hear the sound of the fans.



### Intensity: 3

You will feel the air stream coming from the fans.

You will feel the scarf.



Description of the activity:

Hold onto a ball at the end of the row.

Let it go.

The ball at the other end will jump away.

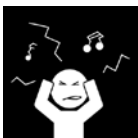
This movement can continue for a long time.

## STIMULI



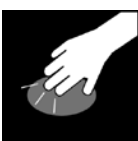
Intensity: 1

You will see the balls moving.



Intensity: 3

You will hear a tapping sound as the balls hit one another.



Intensity: 3

You will need to touch a ball.

This ball will feel cold.





### Description of the activity:

Place the ball on the dot.

Try to hit the billiard cue against the ball.

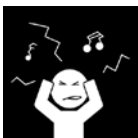
If the ball hits the edge, there's a good chance it will end up in the hole.

## STIMULI



### Intensity: 1

You will see the ball moving.



### Intensity: 2

You will hear a tapping sound when the cue hits the ball.



### Intensity: 1

You will need to hold the cue while playing.

The cue is made of wood.



### Description of the activity:

Place your hands on the handprints.

This will cause the drum to start beating in time with your heartbeat.

A light will come on.

## STIMULI



### Intensity: 2

A light will come on when you place your hands on the handprints.



### Intensity: 3

You will hear drumming.



### Intensity: 2

You will need to place your hands on the handprints.

These will feel cold.



### Description of the activity:

Press a button or turn the wheel.

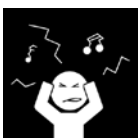
The sand on the plate will form patterns due to the vibrations.

## STIMULI



### Intensity: 1

This exhibit is quiet.



### Intensity: 2

This exhibit can produce a high pitched sound.



### Intensity: 1

You will need to press a button.

You will need to turn a wheel.



### Description of the activity:

Hit one end of the tubes on the tube piano with the slippers.

You can play music on the tube piano by doing this.

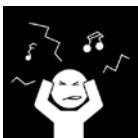
You can improvise or you can play the music on the screen.

## STIMULI



### Intensity: 2

You will see the notes that you can play appear on the screen in front of you.



### Intensity: 3

You will play music on the tube piano.



### Intensity: 2

You will need to hit the tops of the tubes with the slippers.

You will need to press a button to choose a song.



### Description of the activity:

Choose which sounds you want to hear.

Place the tiles for those sounds on an empty square.

Press the green button.

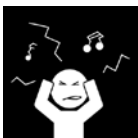
You will hear music playing.

## STIMULI



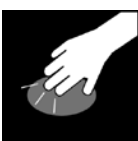
### Intensity: 1

This exhibit is quiet.



### Intensity: 4

You will hear music.



### Intensity: 1

You will need to pick up the tiles to place them in an empty spot.

You will need to press the green button to start the music.





### Description of the activity:

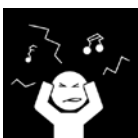
Build a bridge in the shape of an arch with the wooden blocks.

## STIMULI



### Intensity: 1

This exhibit is quiet.



### Intensity: 2

The blocks will make a noise if you let the arch bridge collapse.



### Intensity: 2

You will need hold the wooden blocks to make the arch bridge.



### Description of the activity:

Turn the green wheel.

This will cause the balls to start moving.

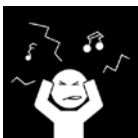
The balls will all start together, then turn into a snake which then disappears.

## STIMULI



### Intensity: 2

You will see the balls moving.



### Intensity: 3

You will hear music.



### Intensity: 2

You will need to turn the wheel.



### Description of the activity:

Press your forearm against a metal shape to the right of the screen.

These shapes are cold.

Stand in front of the screen.

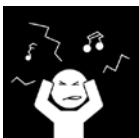
You will see the shape on your forearm.

## STIMULI



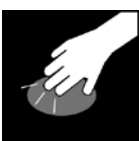
### Intensity: 2

In front of you is a screen that shows dark purple to yellow-white colours.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 3

When you hold your forearm on the metal shape, you will feel cold.



### Description of the activity:

Get ready at the starting line.

Walk forward and/or backwards on the white line.

Copy the graph on the screen by doing this.

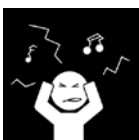
## STIMULI



### Intensity: 3

The explanation of the exhibit is on a screen.

This screen emits a bright white light.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 3

You will run or walk during this activity.

You will touch the screen to choose a graph.



### Description of the activity:

Sit on the chair.

Press the buttons to make the vacuum cleaner start working.

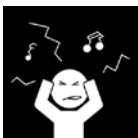
You will be raised up on the chair.

## STIMULI



### Intensity: 3

This exhibit is quiet.



### Intensity: 1

You will hear the sound of the vacuum cleaner.



### Intensity: 1

You will go up on the chair.

You will need to press the buttons.





### Description of the activity:

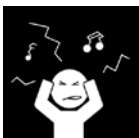
Piece together the organs of this body.

## STIMULI



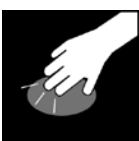
### Intensity: 1

This exhibit is quiet.



### Intensity: 1

The pieces may make a tapping sound as they hit one another or the body.



### Intensity: 2

You will feel the pieces of the body. They are made of plastic.



### Description of the activity:

Walk on the carpet.

The carpet is a maze.

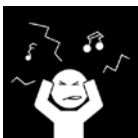
Follow the instructions on the carpet to get out of the maze.

## STIMULI



### Intensity: 1

This exhibit is quiet.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 2

You will walk on a carpet.



### Description of the activity:

You will probably have to queue for this exhibit.

Go and stand on the mat.

Pull the rope.

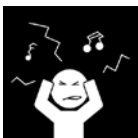
You will briefly go up into the air like a yo-yo. You will land back on your feet.

## STIMULI



### Intensity: 1

This exhibit is quiet.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 5

When you step onto the mat, you will sink into it a little.

You will need to pull the rope.

You will briefly be up in the air. You will land back on your feet.



### Description of the activity:

Take hold of the metal ring by its handle.

Try to move the metal ring over the pipes without touching them.

In some places you can take a break.

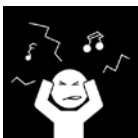
If you touch the pipe you will hear a beep.

## STIMULI



### Intensity: 1

This exhibit is quiet.



### Intensity: 3

You will hear a beep if you touch the tube or another conductive object with the metal ring.



### Intensity: 2

You will need to hold the handle of the metal ring.



### Description of the activity:

Grab a weight.

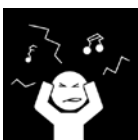
Try to balance the weight on one finger.

## STIMULI



### Intensity: 1

This exhibit is quiet.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 2

You will need to hold a weight in your hands.





### Description of the activity:

Press the little green button to heat up the air in the balloon.

When the air is warm enough, press the launch button to make the balloon rise.

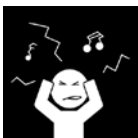
When the air cools down, the balloon will descend again.

## STIMULI



### Intensity: 2

You will see the balloon rising.



### Intensity: 2

You will hear a blowing sound as the air in the balloon heats up.



### Intensity: 2

You will need to press the green launch button.



#### Description of the activity:

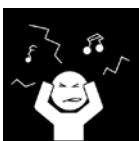
Put elastic bands around the green disks. You can also move the green disks to a different hole. Make sure that the disks you want to use are connected with elastic bands to each other and to a figure at the end. Turn the first disk. If it is connected to the last figure via wheels and bands, the last figure will also move. You can also turn a wheel at the cabinet next to the exhibit. This causes all kinds of components to move in the cabinet.

#### STIMULI



#### Intensity: 1

This exhibit is quiet.



#### Intensity: 1

This exhibit does not make much noise.



#### Intensity: 3

You will need to stretch the elastic bands around the green discs.  
You will need to turn the first disc.



Description of the activity:

Hold the ball gently under the electromagnet.

The ball does not have to touch the electromagnet.

After a few seconds, carefully release the ball.

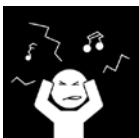
The ball will remain hovering in the air.

## STIMULI



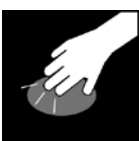
Intensity: 3

There are several bright spotlights hanging near the exhibit.



Intensity: 2

You will hear the ball drop.



Intensity: 2

You will need to hold the ball briefly.



### Description of the activity:

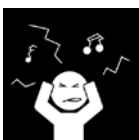
Lie down on the floor. After a few seconds, a flash of light will take a picture of you on the floor. After a few seconds there will be another flash of light and a photo. Thirteen photos will be taken in this way. These will be put together in quick succession in a video. You can see this video on the other screen. You can scan the QR code to download the video to your mobile phone.

## STIMULI



### Intensity: 4

You will see a flash of light when a photo is taken of you on the floor.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 3

You will need to lie down on the floor.  
A photo of you can then be taken.

Description of the activity:

There are two discs in this exhibit. One disc has radioactive or non-radioactive objects on it and the other disc has materials that can block radioactive radiation.

You can put a radioactive object under the Geiger counter, but also a material to see how much radioactive radiation it blocks.

## STIMULI

Intensity: 2

You can read on a screen how radioactive an object is.

The screen emits a bright light.

Intensity: 2

You will hear a clicking sound.

Intensity: 2

You will need to slide the disks under the Geiger counter.





### Description of the activity:

Sit on the bicycle.

Try to cycle with the square wheels.

You will probably have to queue for this exhibit.

This is okay. If so, do your best to wait patiently.

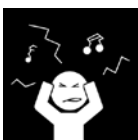
## STIMULI



### Intensity: 2

You will cycle around in a circle.

You will see the things around you.



### Intensity: 3

You will hear the tapping noise of the wheels hitting the ground.



### Intensity: 5

You will need to sit on a bicycle.

The bicycle will feel bumpy when you cycle it because of its square wheels.



Description of the activity:

Press the button next to the animal you want to race. Get ready at the starting line. The screen in front of you will count down. When the screen says start, do your best to run as fast as possible.

On the screen you can see how fast you ran compared to the animal you chose.

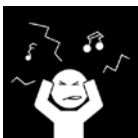
## STIMULI



Intensity: 3

The explanation of the exhibit is on a screen.

This screen emits a bright white light.



Intensity: 1

This exhibit does not make much noise.



Intensity: 3

You will need to run or walk during this activity.



Description of the activity:

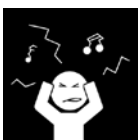
Try to tie the shoelaces using the tongs.

## STIMULI



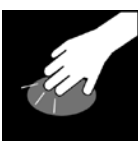
Intensity: 1

This is a quiet exhibit.



Intensity: 2

When the tongs come into contact with each other, they may make a tapping sound.



Intensity: 2

You will feel the plastic handle of the tongs.



### Description of the activity:

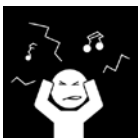
Choose a course and launch a ball on the ball track.

## STIMULI



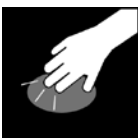
### Intensity: 2

You will see the balls going along the course.



### Intensity: 3

The balls will make a clattering sound as they pass along the track. There are some parts of the track that make more noise than others, such as the shell, the spiral, the Galton board, etc.



### Intensity: 2

You will feel the big launch button.



### Description of the activity:

Take a coin out of your purse or wallet.

Spin the coin in the blue tub.

The closer the coin gets to the hole, the faster it will spin.

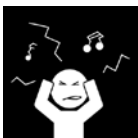
You won't get the coin back.

## STIMULI



### Intensity: 1

This exhibit is quiet.



### Intensity: 2

You will hear a metallic sound as the coin spins in the blue tub.



### Intensity: 2

You will need to spin the coin.

After that you just have to watch.



Description of the activity:

You can climb on the climbing wall.

A game is projected onto the climbing wall.

Try to guide the laser beam to the target.

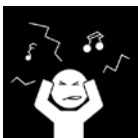
You can play this game with up to two people at a time.

## STIMULI

Intensity: 3

A game is projected onto the climbing wall.

The projector lights up.

Intensity: 1

This exhibit does not make much noise.

Intensity: 5

You will need to climb on the climbing wall.

There is a mat under the climbing wall.

It will protect you if you fall.



### Description of the activity:

Stand on the pedals and hold onto the handles.

Try to make a cycling motion with the pedals.

This will enable you to move forward.

You will have to try hard to keep your balance.

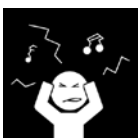
## STIMULI



### Intensity: 2

You will move in a circle on the cyclo-trim.

That means that you will see a lot of things.



### Intensity: 2

You will hear the sound of the squeaking pedals.



### Intensity: 5

You will need to do your best to keep your balance.

You will need to hold onto the handles.

You will need to push on the pedals.



### Description of the activity:

Three lamps project light onto a wall.

If you stand in front of a lamp, you will see a different colour of light on the wall.

Your shadow will appear in all kinds of colours on the wall.

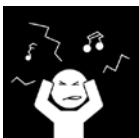
## STIMULI



### Intensity: 3

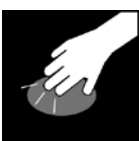
Three bright lights are projected onto a wall.

When you stand with your back to the lamps, the light is less bright.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 1

You don't have to touch anything if you don't want to.

## DO YOU PREFER SLEEPING ON NAILS OR BALLS?



### Description of the activity:

Lie down completely flat on the bed on the left. Then push the button. This will make nails appear. As long as you are lying flat, this won't hurt.

Then lie down on the ball bed.

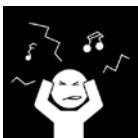
In this way you can test what suits you best.

## STIMULI



### Intensity: 1

This exhibit is quiet.



### Intensity: 2

You will hear the wooden balls rolling as you are lying or sitting down on them.



### Intensity: 4

You will feel the slight pressure of the nails beneath you.

You will feel the hard balls beneath you.



Description of the activity:

Make the strings of a guitar vibrate.

You will see the strings moving slower than in reality.

You can tighten the strings by pressing the pedal.

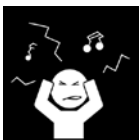
## STIMULI



Intensity: 2

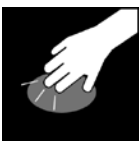
A bright spotlight hangs above this exhibit.

You will see the vibrations of the strings.



Intensity: 2

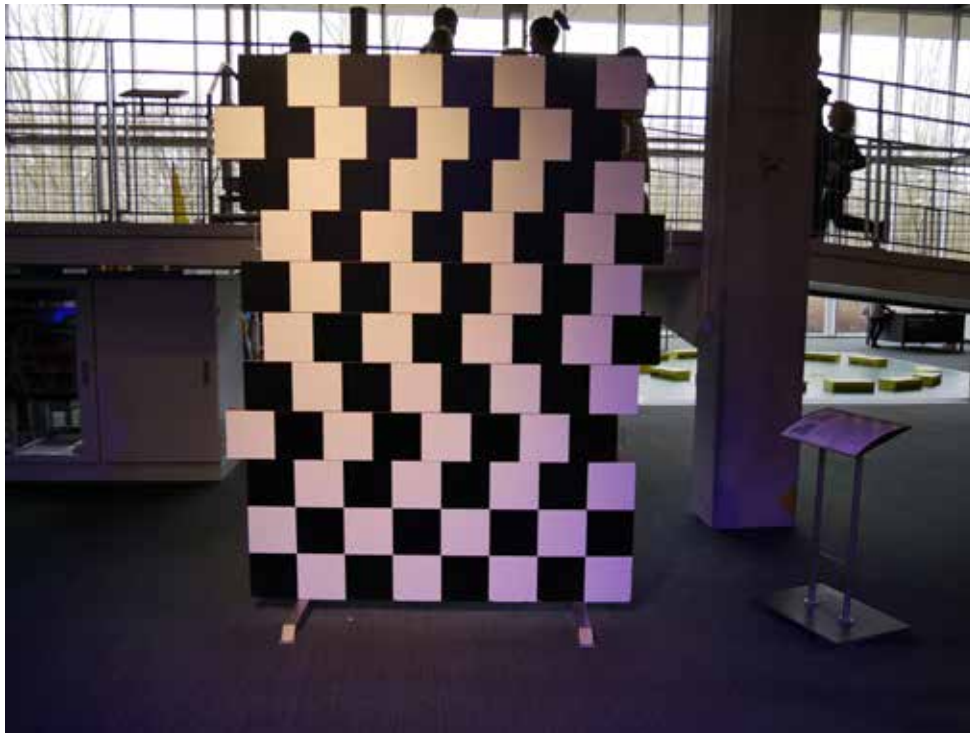
You will hear the sound of the guitar.



Intensity: 2

You will need to touch the strings and press the pedal with your foot.





### Description of the activity:

This is an optical illusion.

Move the rows in or out.

Sometimes the rows look straight, and at other times they appear to be sloping.

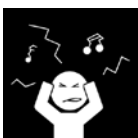
## STIMULI



### Intensity: 2

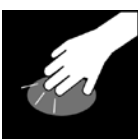
You will look at an optical illusion.

This can sometimes make your eyes feel strange.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 2

You will need to pull or push the rows.



### Description of the activity:

Pick up a disc.

Carefully place it vertically on the rotating table.

When the disc is spinning fast enough, you can let go of it.

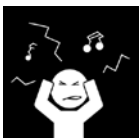
It will then carry on rotating on the table by itself.

## STIMULI



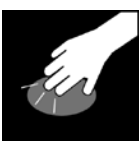
### Intensity: 2

You will see the table and the discs turning.



### Intensity: 2

When the disc falls over, you will hear a clattering sound.



### Intensity: 2

You will need to let the disc spin between your fingers on the rotating table for a while.

Description of the activity:

You will see objects flying on a large screen. Sit in front of a cannon. You can fire at the objects with the cannon. When you hit an object, it will explode into the chemical elements that make it up.

Try to collect as many chemical elements as possible from Mendeleev's Table, which will be projected below. You can play this game on your own or with another person. If you're playing with someone else, you will work together.

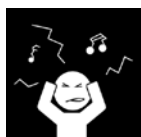
## STIMULI

Intensity: 2

You will be in a dark room.

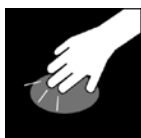
A game is projected on a screen in front of you.

You will see moving images on the screen.

Intensity: 2

If you hit an object for long enough, you will hear an explosion.

You will then get a point and hear victory music.

Intensity: 2

You will need to hold the cannon in order to fire at the objects.



### Description of the activity:

Press the button.

A high electrical voltage is applied to the rods.

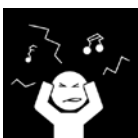
You will see a spark.

## STIMULI



### Intensity: 2

You will see a small spark when you press the button.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 1

You will need to press the button.



Description of the activity:

Hit the drum with the flat of your hand.

This will cause the mirrors on the other side to start moving.

## STIMULI



Intensity: 2

One side of the exhibit consists of dangling mirrors.

These glitter due to light falling on them.



Intensity: 2

You will hear the sound of the flat of your hand on the drum.



Intensity: 3

You will need to hit the drum with the flat of your hand.





### Description of the activity:

Press the button.

The light in the pit will then go on.

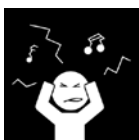
It will look as if the pit is very deep.

## STIMULI



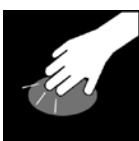
### Intensity: 2

You will see the bright lights in the pit.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 1

You will need to press the button.



### Description of the activity:

Hold the pole.

Spin around.

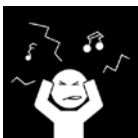
The closer you are to the pole, the faster you will spin.

## STIMULI



### Intensity: 2

You will need to spin around on the pole.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 3

Hold the pole.

You will need to make a spinning motion.



### Description of the activity:

Take hold of the white rod.

Give it a push so that it turns.

The straight rod can pass through the crooked opening.

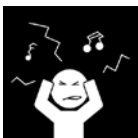
## STIMULI



### Intensity: 2

You will see the rods moving.

There is a bright spotlight above the exhibit.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 2

You will need to push on the rods.

## CLIMB INSIDE A SOAP BUBBLE



### Description of the activity:

Go and stand in the middle of the exhibit.

Pull the red handle on the cord.

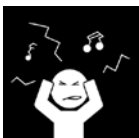
This will create a soap bubble around you.

## STIMULI



### Intensity: 2

You will see the bubble around you.



### Intensity: 2

As the red circle goes down, you will hear the scraping on the poles.



### Intensity: 2

You will feel the handle of the cord.



Description of the activity:

Press the green button.

You will hear a beeping sound.

At some frequencies the water will start to move.

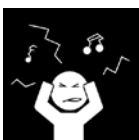
You can turn the knob to change the frequency of the sound.

## STIMULI



Intensity: 2

You will see splashing water at some frequencies.



Intensity: 2

You will hear a beeping sound.

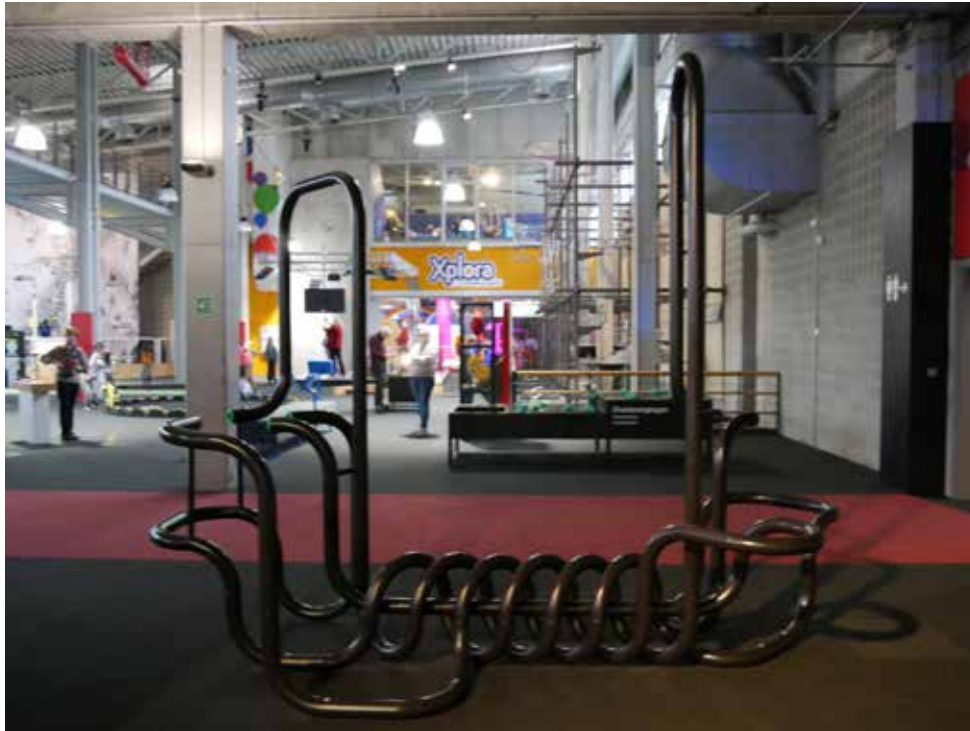


Intensity: 2

You will need to press a green button.

You will need to turn the black knob.





### Description of the activity:

There are six green ends to this tube complex.

Say something into one of the ends.

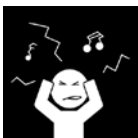
Someone else has to find out which end your message comes out of.

## STIMULI



### Intensity: 1

This exhibit is quiet.



### Intensity: 2

You will hear your voice through the tubes.



### Intensity: 2

You will need to touch the tubes.

The tubes will feel cold.



### Description of the activity:

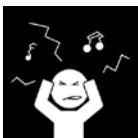
Move the magnetic rods in and out of the coils.  
In this way you will generate electrical voltage.

## STIMULI



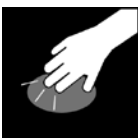
### Intensity: 2

You will see the pointer of the voltmeter moving.



### Intensity: 1

This exhibit doesn't make any sound.



### Intensity: 2

You will feel the plastic handle of the rods.



### Description of the activity:

Put the contact on one of the objects.

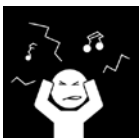
Read on the meter how well the object conducts electricity.

## STIMULI



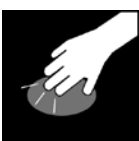
### Intensity: 2

You will see the pointer of the current meter moving.



### Intensity: 2

You will hear a beeping sound when you put the contact on the conductive objects.



### Intensity: 2

You will feel the contact.

You don't have to touch anything else if you don't want to.



### Description of the activity:

You will see a lot of wooden planks.

Look through the plate with the hole in it a little further on.

You will now see something completely different.

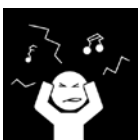
## STIMULI



### Intensity: 1

This is a quiet exhibit.

From one point of view you will see an object that you know.



### Intensity: 1

This exhibit doesn't make any sound.



### Intensity: 1

You don't need to touch anything.



### Description of the activity:

Put your elbow on the pin in the wooden box.

Hold your hand flat against your ear.

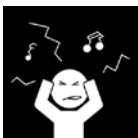
Or you put the green horn on the peg. You hear the sound coming from the horn.

## STIMULI



### Intensity: 2

You see bright green horns.



### Intensity: 3

You will hear music.



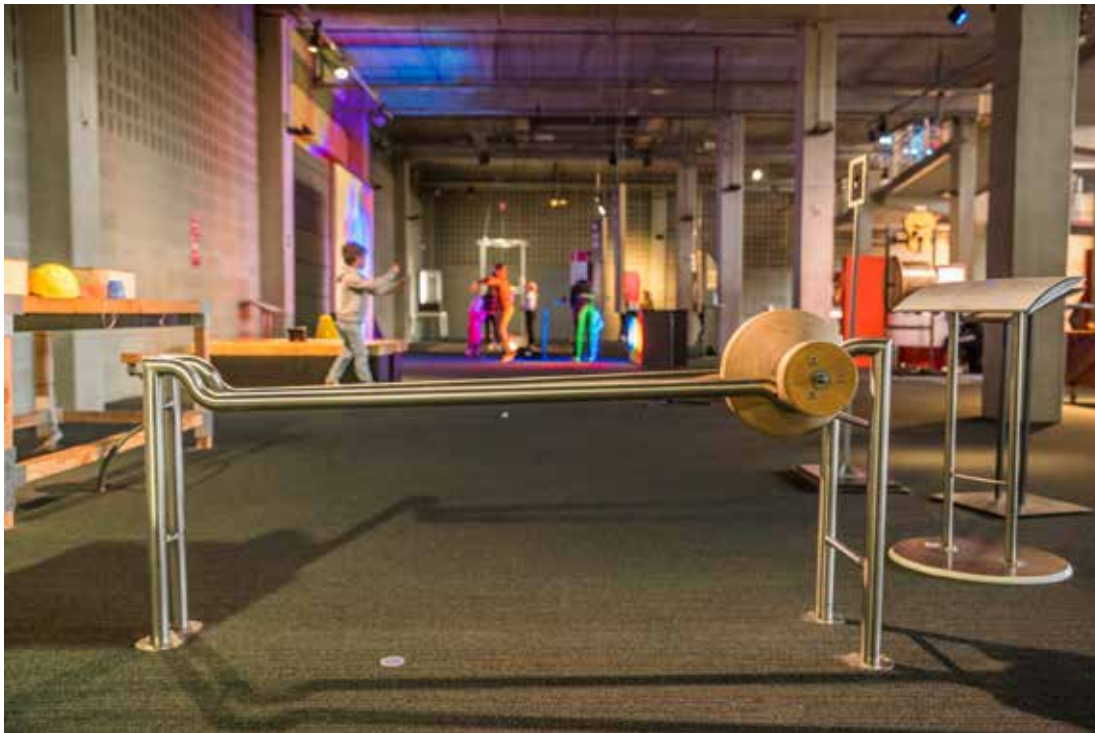
### Intensity: 3

You will feel your elbow on the pin. It will feel cold.

You will feel the vibrations of the pin.

You will feel the plastic objects.





### Description of the activity:

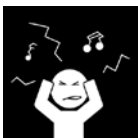
Place the tops on the steel rods one by one.  
One top seems to roll upwards.

## STIMULI



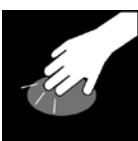
### Intensity: 2

You will see one of the tops rolling upwards – or that's how it will look.



### Intensity: 1

This is a quiet exhibit.



### Intensity: 2

The tops are made of wood.  
The rods are made of steel. They may feel cold.



### Description:

ON/OFF is an exhibition for children aged 8 and above.

The exhibition is on floor -1 on the right side of the main hall.

## STIMULI



### Intensity: 3

There are some bright spotlights in ON/OFF.

There are many screens in the room.

The set-ups are shielded from each other by colourful walls.



### Intensity: 4

In this room, I hear many different sounds.

I hear sounds from the activities. This is not so loud.

I hear sounds from the other children playing. This is loud because of the echo in the hall.

On Wednesdays, weekends and school holidays, I hear the sound of the public address system.



### Intensity: 4

The temperature in the hall can vary from day to day.

Sometimes it is rather warm in the hall.

Sometimes it is rather cold in the hall.



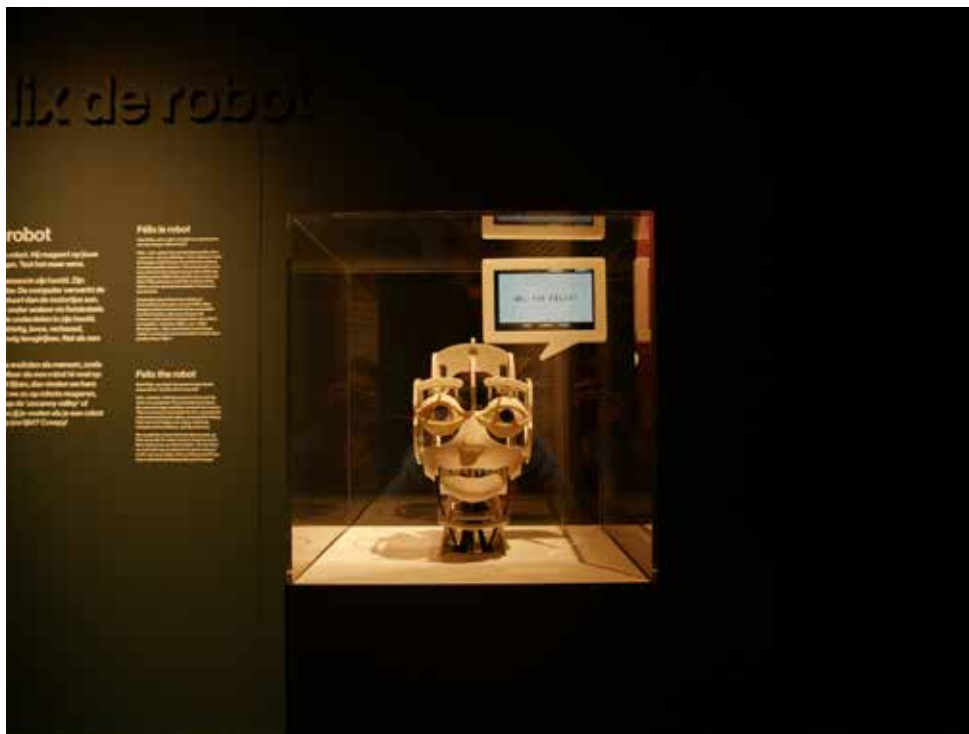
I can move to floor -1 via the ramp or via the fireman's pole from which I can slide.



There is also a lift for wheelchair users or people with reduced mobility.



I can ask the staff at the reception for access to the lift.



Description of the activity:

I stand on the red footsteps on the ground.

I move my mouth and eyebrows.

The robot will mimic my facial expression.

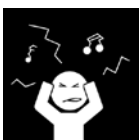
STIMULI



Intensity: 3

I see that the robot is mimicking my facial expression.

Above me are some bright spotlights.



Intensity: 1

This setup makes no sound.



Intensity: 1

I don't have to feel anything if I don't want to.



Description of the activity:

I put on the headphones.

I press the button to change my voice. Above me, I can see the way my voice will be distorted.

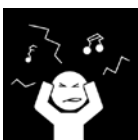
I speak through the microphone and hear my distorted voice through the headphones.

STIMULI



Intensity: 2

Above me are some bright spotlights.



Intensity: 4

I hear my voice through the headphones.

My voice can be distorted in different ways.



Intensity: 5

I put on headphones.

I press a button.





Description of the activity:

I move in front of the screen.

I see myself on the screen.

It looks like I am part of a painting.

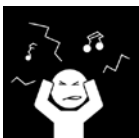
## STIMULI



Intensity: 5

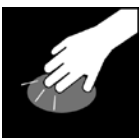
I see a screen in front of me.

I see many different, bright colours on the screen.



Intensity: 1

This setup makes no sound.



Intensity: 1

I don't have to feel anything if I don't want to.



Omschrijving van de activiteit:

I put on the headphones.

I put the tiles in the centre of the circle with the image of the blob figure facing down.

I hear sound through the headphones.

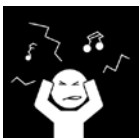
By combining or rotating different tiles, I can make music.

STIMULI



Intensity: 2

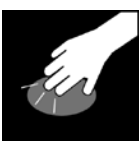
Above me are some bright spotlights.



Intensity: 5

I hear music through the headphones.

This is the music I make myself by laying, rotating and combining the tiles.



Intensity: 5

I put on headphones.

I place the tiles in the circle.



#### Description of the activity:

I sit down on a green cushion. In the centre of the screen, a sphere appears. I watch the sphere until it explodes. Then a sphere appears in each corner of the screen. There are four in total. I do the same. Now the computer recognizes my eye movements. I try to collect the little balls by looking at them. Sometimes a bomb can also be seen on the screen. Then something special happens.

#### STIMULI



#### Intensity: 4

Above me are some bright spotlights.  
I look at the screen.  
I play the game by moving my eyes.



#### Intensity: 5

As the game tries to recognize my eyes, the dots spin around. Then I hear a sound.  
During the game, I hear music.



#### Intensity: 2

I am sitting on a soft cushion.



### Description of the activity:

I climb the climbing wall.

I try to touch the pink monsters. Then they fall off the wall.

There are thick mats under the climbing wall so I won't hurt myself if I fall. In front of the wall is a screen.

This allows other people to drag extra monsters to the wall.

## STIMULI



### Intensity: 2

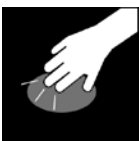
I see moving monsters in front of me.



### Intensity: 4

If I touch a monster, it will fall.

Then it screams in a high-pitched voice.



### Intensity: 5

The climbing wall has a rough texture.

I can step or fall on the thick mats below me.

I can touch the computer screen.



Description of the activity:

I stand in front of one of the two screens.

If I stand close enough, the shape on the screen will look like me.

It mimics my movements.

## STIMULI



Intensity: 3

I see a lot of colour on the screen.



Intensity: 1

This setup makes no noise.



Intensity: 5

I don't have to touch anything if I don't want to.





Description of the activity:

You will probably have to queue for this exhibit.

You will have VR goggles put on your head.

You will sit in a hanging chair. The hanging chair will be raised up.

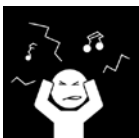
It will feel like you're flying through the mountains. You can pull on the cords to steer.

STIMULI



Intensity: 5

You will look at a mountain range through the VR goggles.



Intensity: 2

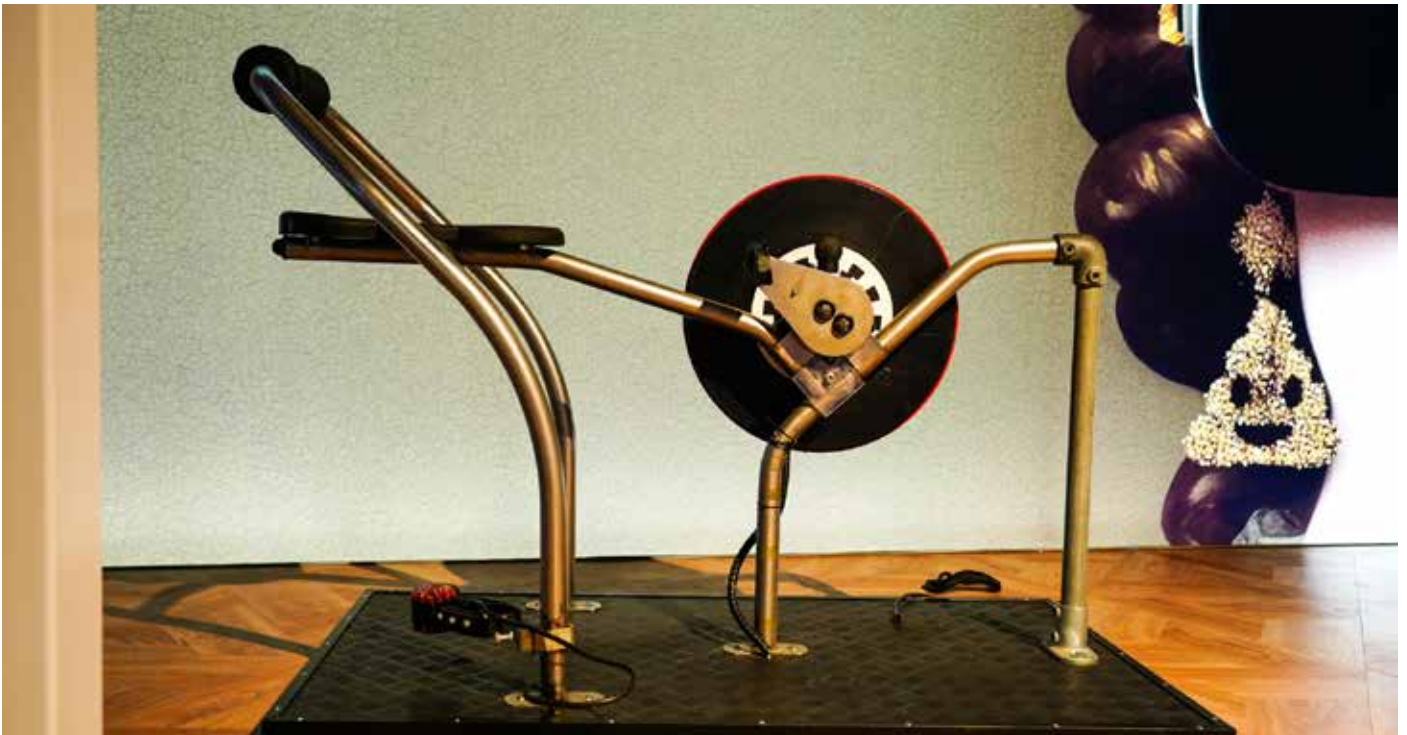
You will hear atmospheric sounds through the VR goggles.



Intensity: 5

You will feel the hanging chair under you and at your back. You will feel yourself slowly going up and down. You will feel the VR goggles on your head.

You will feel the cords as you steer.



Description of the activity:

You will probably have to queue for this exhibit.

Put the VR goggles on your head.

It will look like you are cycling through a mountain range.

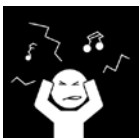
## STIMULI



Intensity: 4

You will have VR goggles on your head.

You will see a mountain range around you.



Intensity: 2

You will hear atmospheric sounds through the VR goggles.



Intensity: 5

You will feel the VR goggles on your head.

You will ride the bike.



#### Description of the activity:

I can make a stop-motion movie. I choose one of the three landscapes. I make a scene with the puppets in front of the camera. I press the camera symbol on the screen. The first picture is taken. I can now move the dolls a little bit and take a new picture. I can take as many photos as I want. The computer will paste all the pictures together. This creates a stop-motion film. At the end, I can choose to play the movie as a loop or as a boomerang. I can also choose the speed. Then I can scan the QR code to watch the movie on my mobile phone. I still have to click download, though.

#### STIMULI



#### Intensity: 4

Inside the stop-motion studio there are some bright lights.



#### Intensity: 3

I hear the whirring of an old camera.



#### Intensity: 4

I touch the wooden puppets.  
I touch the screen to take pictures.



Description of the activity:

An AR game is projected on the sandbox.

I try to get the projected ball into the circle with the triangles by making a track with the sand.

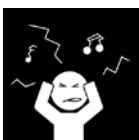
If it fails, the game will restart. If it succeeds, the game moves to the next level.

## STIMULI



Intensity: 3

I see the light projection of the game on the sand.



Intensity: 1

This setup makes no sound.



Intensity: 5

I make pits and mountains in the sand with my hands.



### Description of the activity:

Go and sit in a wheelchair.

By turning the wheels you can race in a computer game.

You can play this game on your own or with another person.

## STIMULI



### Intensity: 3

The game is played on a screen in front of you.

The screen emits a bright light.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 2

You will need to turn the wheels of the wheelchair.





Description of the activity:

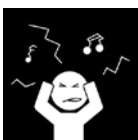
This exhibit consists of two bars of LED light that move very quickly.  
This creates a moving image.

## STIMULI



Intensity: 2

You will see the luminous image moving.  
This may feel strange.



Intensity: 1

This exhibit doesn't make any sound.



Intensity: 1

You don't need to touch anything.



Description of the activity:

I play pictionary with the AI.

I choose a word on the screen and try to draw it.

The AI will try to guess what I am drawing.

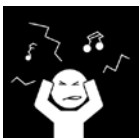
If the AI is correct, it explains how it was able to guess the solution.

## STIMULI



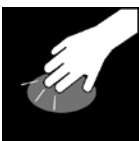
Intensity: 3

I see a bright screen.



Intensity: 1

This setup does not make a sound.



Intensity: 3

I touch the screen.



### Description of the activity:

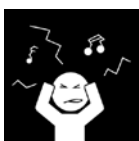
I press one of the buttons next to the screen. This allows me to choose whether to take a picture or a video. I take a green object from the tray and hold it in front of me. This way, part of me will be invisible on the screen. At the end, I see a QR code. I can scan this to watch the picture or video on my mobile phone.

## STIMULI



### Intensity: 5

The screen emits a bright light.



### Intensity: 1

This setup makes no sound.



### Intensity: 5

I touch the green objects. These are cloths, stools and/or a disc with a metal handle. I press a button.



### Description of the activity:

I can see a short film on the screen about how the exhibition was made.

I can hear the sound through the speaker I can hold in my hand.

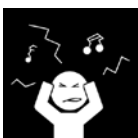
I hold this against my ear.

## STIMULI



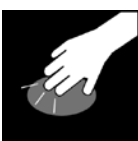
Intensity: 3

The screen emits bright light.



Intensity: 5

I hear the sounds of the film.



Intensity: 4

I hold the speaker against my ear.

# THE SCIENCE GARDEN

## GENERAL INFORMATION



### Description:

The Science Garden is outside.

The entrance to the Science Garden is on floor -1.

## STIMULI



### Intensity: 1

It is usually quiet in the Science Garden.

There aren't many people here.

The area is quiet.



### Intensity: 2

It is quiet in the Science Garden.

You will hear birds and cars.

Some exhibits in the Science Garden make a noise.



### Intensity: ?

The temperature in the Science Garden depends on the temperature that day.

You can look at the weather forecast for more information.



# THE SCIENCE GARDEN

## GENERAL INFORMATION



This is the entrance to the Science Garden.  
You go outside through a double glass door.  
This door opens automatically.  
You re-enter through the same doors.

# THE SCIENCE GARDEN

## WHISPERING PARABOLE



### Description of the activity:

Stand near one dish.

Someone else stands near the other dish.

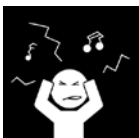
You can whisper and still hear each other.

## STIMULI



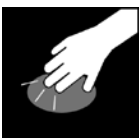
### Intensity: 1

This exhibit is very quiet.



### Intensity: 1

You will hear the other person whispering.



### Intensity: 1

You don't need to touch anything.



### Description of the activity:

Spinning Top and Black Hole are two optical illusions.

You can spin these circles and then look at them from a distance.

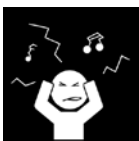
## STIMULI



### Intensity: 3

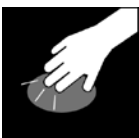
You will see an optical illusion.

This can sometimes feel strange.



### Intensity: 1

This exhibit doesn't make any sound.



### Intensity: 2

You will need to touch the disc to spin it.



### Description of the activity:

You can play with the wooden stick on the music fence.

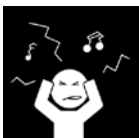
When you go from right to left, you will hear a well-known song.

## STIMULI



### Intensity: 1

This exhibit is quiet.



### Intensity: 3

You will play music on the music fence.



### Intensity: 3

You will need to hold the wooden stick.

The pipes on the music fence can feel cold or warm.

This depends on the outside temperature.



### Description of the activity:

Pull on the metal chains.

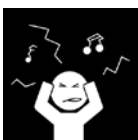
This makes the pendulums move.

## STIMULI



### Intensity: 2

You will see the slinkies moving.



### Intensity: 3

When the pendulums move you will hear the metal chains rattling.



### Intensity: 3

The metal chains may feel cold or warm.

This depends on the outside temperature.





### Description of the activity:

Rotate the ring in the centre of the cage.

Watch how long the ring keeps moving.

## STIMULI



### Intensity: 2

The ring in the cage will rotate.



### Intensity: 3

When the ring turns in the cage, you will hear a loud, metallic sound.



### Intensity: 3

You will need to touch the ring.

The ring may feel cold or warm.

This depends on the outside temperature.





### Description of the activity:

There are several signs with a paw print in the Science Garden.

Turn the sign round.

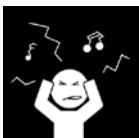
You will then see to which animal the paw print belongs.

## STIMULI



### Intensity: 1

This is a quiet exhibit.



### Intensity: 2

When you close the sign again, it makes a noise.



### Intensity: 3

You will need to open the metal sign.

It may feel cold or warm.

This depends on the outside temperature.



### Description of the activity:

This activity is for two people.

One person stands near one tube, and the other person near the other tube.

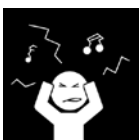
You can talk to each other through the tubes.

## STIMULI



### Intensity: 1

This exhibit is quiet.



### Intensity: 2

You will hear what the other person says into the tube.



### Intensity: 1

You don't have to touch anything if you don't want to.

# THE SCIENCE GARDEN

## FIVE TONS OF ROCK



Description of the activity:

Try to make the heavy rock move.

## STIMULI



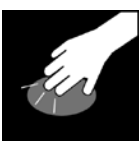
Intensity: 1

The rock turns.



Intensity: 1

This exhibit does not make much noise.



Intensity: 2

You will need to touch the rock.

The rock is rough.



### Description of the activity:

Move the wooden beams up and down.

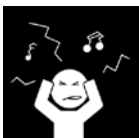
You will be able to make a whistling sound with the beams.

## STIMULI



### Intensity: 1

You will see the beams moving up and down.



### Intensity: 3

You will hear the whistling of the pump whistle.

When the beams move, you will hear a harsh noise from the hinges.



### Intensity: 2

You will need to move the beams up and down.



### Description of the activity:

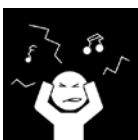
You can play a game of chess with the large chess pieces.

## STIMULI



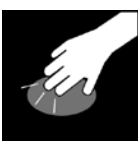
### Intensity: 1

This exhibit is quiet.



### Intensity: 1

This exhibit does not make much noise.



### Intensity: 2

You will need to move the chess pieces on the chess board.





### Description of the activity:

Walk across the tilting bridge.

As you walk across the bridge, the boards will tilt beneath you.

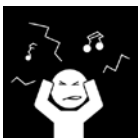
Do your best to keep your balance.

## STIMULI



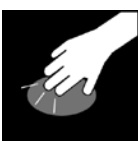
### Intensity: 1

You will see the boards moving beneath you.



### Intensity: 2

When the boards move, you will hear a creaking sound.



### Intensity: 3

You will feel the boards moving beneath you.



### Description of the activity:

Look at the growth rings on the trees.

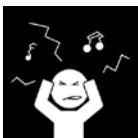
You can try to count the rings if you want.

## STIMULI



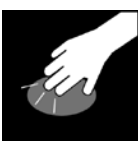
### Intensity: 1

Look at the growth rings on the trees.



### Intensity: 1

This exhibit doesn't make any sound.



### Intensity: 1

You don't have to touch anything if you don't want to.



### Description:

'Sea Force' is an interactive exhibition in Technopolis.

You will find this exhibition on floor 0 at the end of the corridor.

## STIMULI



### Intensity: 4

In the room you will see all kinds of projections of the sea on the walls around you and on the floor. These projections move.

There is a bright light strip in the corridor to the exhibition.



### Intensity: 2

You will hear sounds in this space.

You will hear less noise from the exhibit and from the other visitors than in the main exhibition.



### Intensity: 4

The temperature in this exhibition is higher than in the main exhibition.



This is the entrance to the 'Sea Force' exhibition.  
The entrance is at the end of floor 0.  
You will enter through an opening in the wall.



There is a bright light strip at the entrance.



### Description of the activity:

This is the exhibition space for 'Sea Force'.

This exhibition consists of one room.

The interactive projections on the floor and walls make it seem as if you are at the bottom of the sea or in the harbour.

On the left-hand side of the exhibition space are projections in which you carry out activities by moving around.

On the right-hand side of the exhibition space are touch screens on which you can carry out activities.

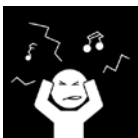
## STIMULI



### Intensity: 4

In the room you will see all kinds of projections of the sea on the walls around you and on the floor. These projections move.

There is a bright light strip in the corridor to the exhibition.



### Intensity: 2

You will hear music playing in this space.

You will hear less noise from the exhibit and from the other visitors than in the main exhibition.



### Intensity: 3

In this exhibition you will carry out the activities by moving around or by touching screens.





### Description of the activity:

You can touch the screens on the right-hand side of the space.

Follow the instructions on the screens.



### Description of the activity:

On the left-hand side of the room are projections.

You can carry out an activity by standing on the feet on the floor.

You can start the activity by moving your hand over the hand on the wall.

A sensor will track your movement.

An instruction appears.

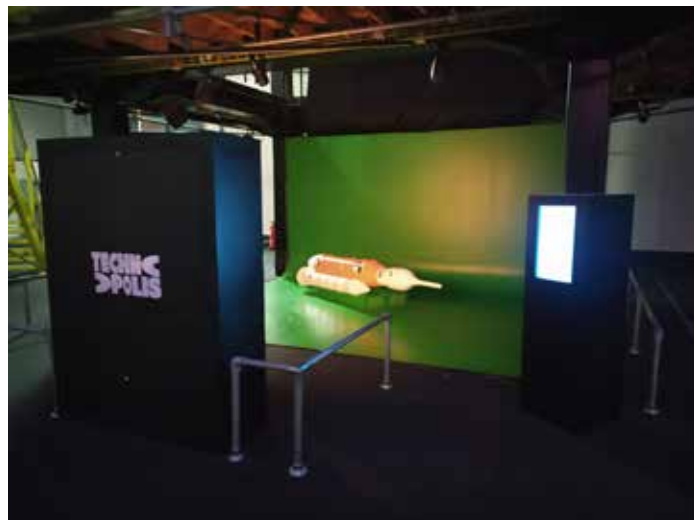
You can carry out the instruction if you want.



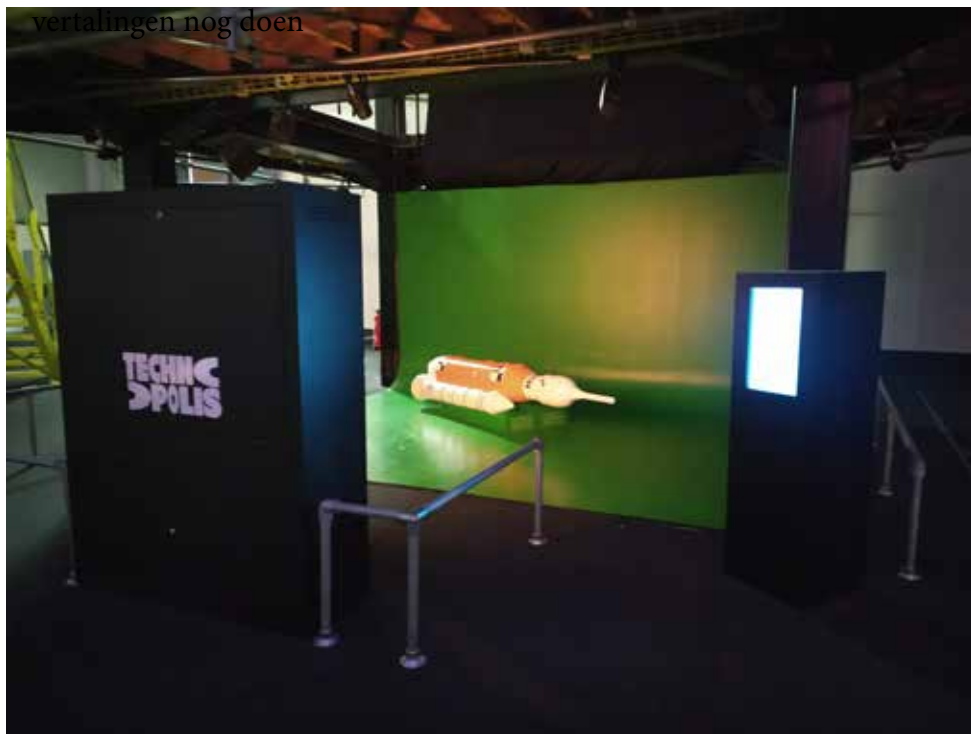
This is the entrance to the STEK exhibition space.

The entrance is on the left side of floor -1.

You will enter through an opening in the wall.



You are in the exhibition space.



### Description:

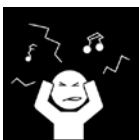
There is a rocket in the exhibition space. Go and stand on the green background. You can sit on the rocket. On screen, it looks like you're travelling through space.

## STIMULI



### Intensity: 4

You see yourself travelling through space on the screen. There are bright lights in this space.



### Intensity: 3

You hear space noises.



### Intensity: 3

You need to touch the screen to start the video.