

## CHALLENGES / EXPERIENCES

### MOTORIC ~~2017~~

DREHTISCH = OPEN ENDED

- THE FIRST EFFECTS ARE EASY TO GENERATE
- IF TRIED WITHOUT READING TAKES QUITE A WHILE TILL MASTERY
- IF NOT PATIENT ENOUGH THIS EXHIBIT IS DISCARDED
- SOCIAL INTERACTIONS ARE STRONG FACILITATORS

TIME:

- LONG TERM

### INTELLECTUAL

TROCKENES = OPEN ENDED

- IT CAPTURES YOU BY THE BEAUTY OF THE THINGS
- TO REALLY GET THE RULE IS HARD TO ACHIEVE BECAUSE YOU CANNOT GRASP THE THING
- IT NEEDS SOMEONE TO BE WITH YOU - DISCUSSION

- SHORT TERM

### MOTORIC

RAUCHRING = CLOSED

- ONE-TIMER
- IT IS HARD TO LEARN THAT YOU HAVE TO PRESS VERY GENTLE
- MAKING SMOKE-TOWNS IS EASY - MAKING RINGS IS HARD

- SHORT TERM



08:04

08:07

- GESPRÄCH OMA + ENKEL  
= INTELLIGENTES TESTEN
- GESPRÄCH MUTTER + SOHN  
= NACHDENKEN + REFLEKTIEREN  
= FRAGEN

Approach  
Focused Trial and Error

08:08

- OMA: GEDULDE UND  
AUSDAUER  
= ES IST NICHT EINFACH

Patience is needed to  
guide experimentation.

08:09

- NEUE PERSONEN VERDEN  
"GEGESCHEN"
- BEOBSACHTUNG UND  
NACHAHMUNG

Observing and imitating  
other people.

What is the difference  
between one person and  
multiple known/unknown  
people?

08:09

- ANDERE INSPIRIEREN WACH  
ZU NEUEN IDEEN
- WECHSEL BEOBSACHTEN - TUN
- DER VATER ALS "MOTIVATOR"
- GLEICHE HANDLUNGEN DURCH  
INSPIRATION

The importance of role  
models



08:10

- HINSETZEN: FREIHEIT FÜR  
LÄNGERE AUSEINANDERSITZUNG  
= AUSDAUER

The child as attractor for  
adults. Child as curiosity  
enhancer

Sitting down is an  
indicator for focussing  
on a certain point.

08:11

Who is facilitating the  
curiosity? Child, Adults  
or Objects?

08:12

Recognizing other  
objects that could be  
used as tools

After facilitating action  
the child participates  
actively in experimentation

08:13

08:14

- FAMILIE MEIN: DER RAUM  
Gehört uns!

Splitting up and coming  
back together.





08:15

- OBER RECHTS: TYTISCH EIN  
EXPOSITAT NACH DEM  
ANDERE

08:15

- ROLLE DER MUTTER:  
FRAGEN / VERBALISIEREN

Mother is sitting back,  
taking the role of  
questioning and  
verbalizing. Father is  
far more active.

08:17

- WENN VIELE KOMBINATIONEN  
GETESTET WURDEN → GEHEN  
= ZUFRIEDENHEIT  
CHALLENGE → MASTERY  
siehe WALQUE

08:18

08:18

- KIND: SOFORT AUSPROBIEREN  
- MUTTER: SCHAUEN DANN TUN

Immediate vs. Reflected  
experimentation.



08:19

IE KOMMEN AN EXPOSITAT

08:19

08:20

08:21

Crowded place is an  
attractor for others.

08:21

- WEITERER ZAUD: SCHAUEN UND  
ABWARTEN

Waiting for a chance to  
test themselves.





08:22

08:23

- JETZT WIRD DER JUNGE  
SELBER AKTIV

08:24

08:25

- UNTER BLEIBT, JUNGE HOLT  
MUTTER

09:25

Observing leads to  
experimentation.

Boy is going away to  
bring his mother.



08:26

08:26

08:28

08:28

08:29

- ZWEI "BOULE" SIND SEHR  
WILD AN FANGEN UND  
WERKEN DANN, DASS ES IN  
KOLLEKTIVEN

Open setting allows  
multiple touchpoints.

Two youngsters who are  
in first place rude  
recognize that they  
destroy other peoples  
experiments and calm  
down.

The role of adults is  
important to facilitate  
or reflect actions.

The right combination of  
people leads to a common  
experience.





08:30

08:31

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Observation

First trials

Focussed engagement



08:35

08:36

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08:39

08:40

Father observing, mother  
engaging.

- JUNG BEOBSACHTET BEHINDERT  
PERSONEN



08:40

08:40

08:41

08:41

5 min:

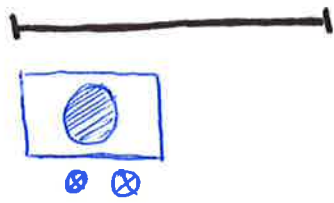
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20 min:

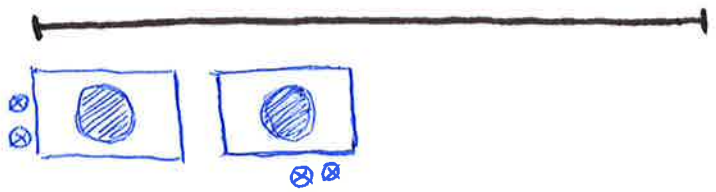
minutes



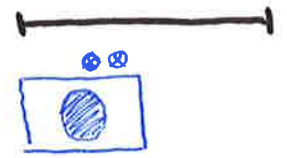
KIND 10-12  
OWA



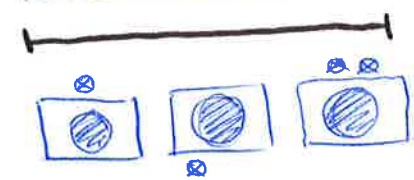
KIND 8-10  
OATER



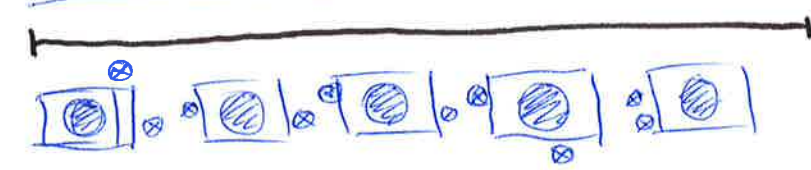
KIND 5-8  
MUTTER



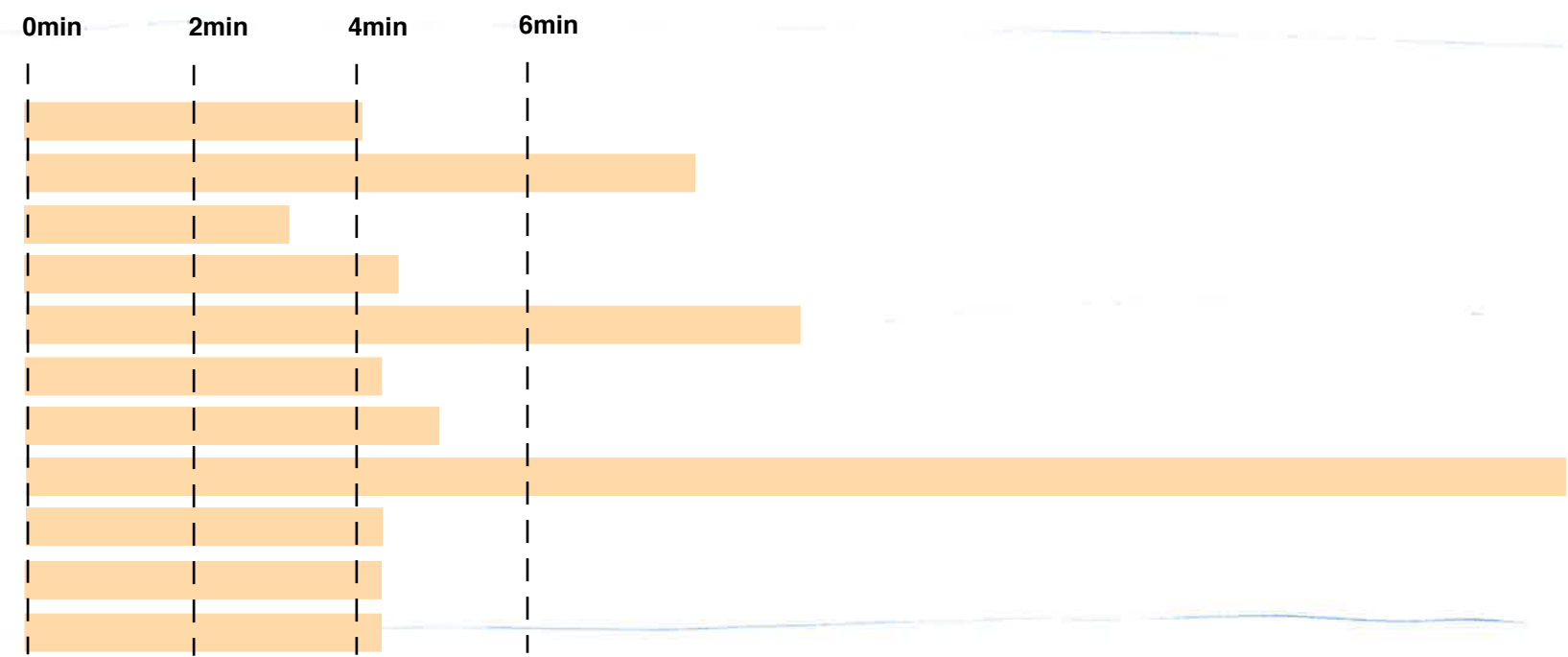
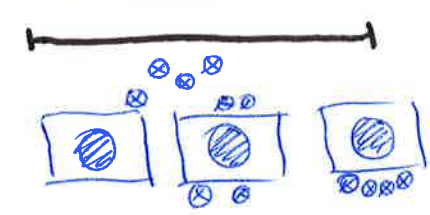
KIND 4-7  
MUTTER



KIND 4-6  
MUTTER



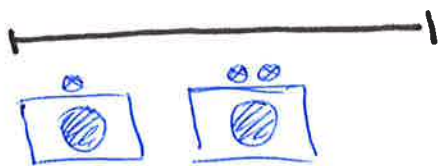
KIND 8-12  
KIND 8-12  
MUTTER  
OATER



The duration which people spend at this exhibit are between a few to several minutes. The average is somewhere around 4 minutes.



ERW  
ERW



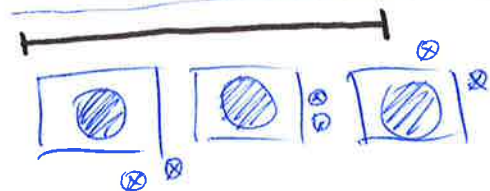
KIND 8-10

MUTTER  
WATER



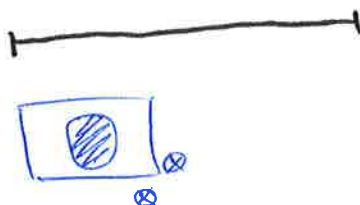
KIND 5-8

MU 25



KIND 13-16

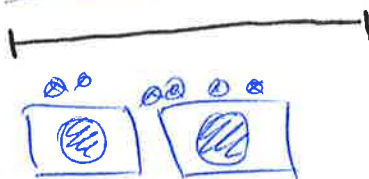
KIND 13-16



KIND 13-16

KIND 10-14

MUTTER  
WATER





05:04

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08:10

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08:11

08:12



09:35

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09:36

09:36

- ALLEINE: MASTERY / FOKUS

- zu zweit = SYNCHRONISIERUNG

Interacting alone allows practicing for mastery.

Interacting together requires synchronicity.

1 KIND 1 MINUTE

2 KINDER 2 MINUTEN



09:36

09:36

09:37

09:37

09:37







Three together is even more challenging but rewarding if it works out.

3 PERSONEN + 1

