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**SANTIAGO-CHILE**



# The Self Regulating Student

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# Santiago de Chile!



# About me:

- Born 1985
- History in Education & Social Work
- SPD experience since 2015,
- SPD degree in 2017
- Instructor Degree 2022
- Board Member SVN
- (Dutch Sterilization Society) since 2024



# Summary:

When You Stop Learning, You Stop Growing!





# The Dutch School System

- 2 Year Education
- Trade School
- Combination of Trade skills AND Generic Courses  
(Dutch, Math & Career Development Skills & Citizenship)
- Work at least 20 hrs, College 8 hrs a week
- 150 Students a year, between 3 Colleges in The Netherlands
- Studying through fixed Qualification File



# History SPD Education NL

- > 2003: "Learning on the job"
  - + Relevant practices
  - Codependence
- 2003: 1 year education by mail-in course.
  - + Accesible and Flexible courses
  - Learning Managment non existent
- 2010: 2 year trade school
  - + Qualification through certified exams
  - "You snooze, You loose" Frontal Education



# Time for a Change!





# Why Change?

- New Demands:
  - Employers
  - Students
  - Society

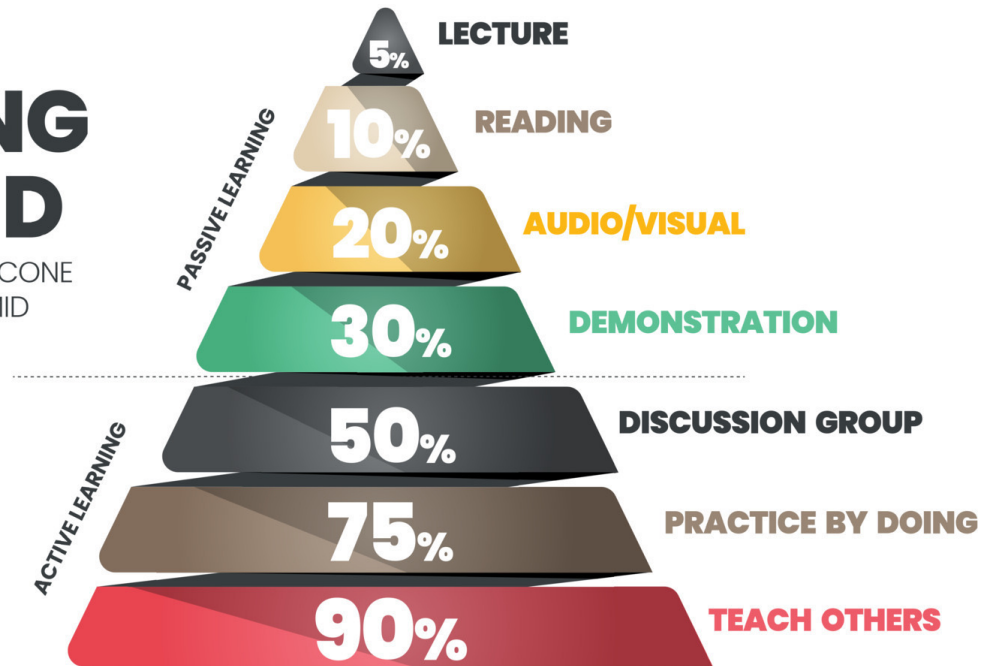




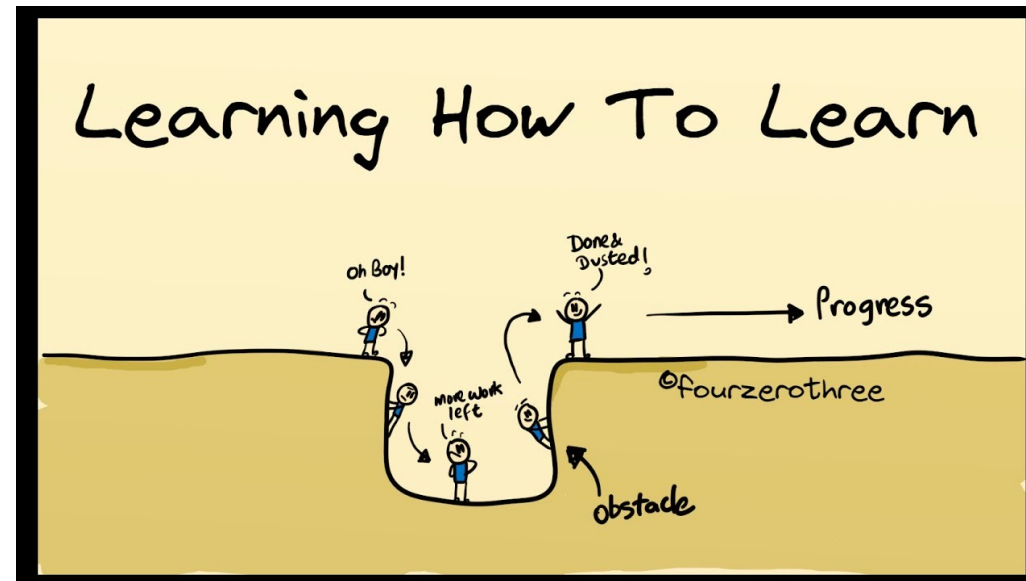
# How Do We Learn?

## LEARNING PYRAMID

THE LEARNING CONE, THE CONE OF RETENTION, THE PYRAMID OF RETENTION



# How Do We Learn?



# Self Regulated Learning

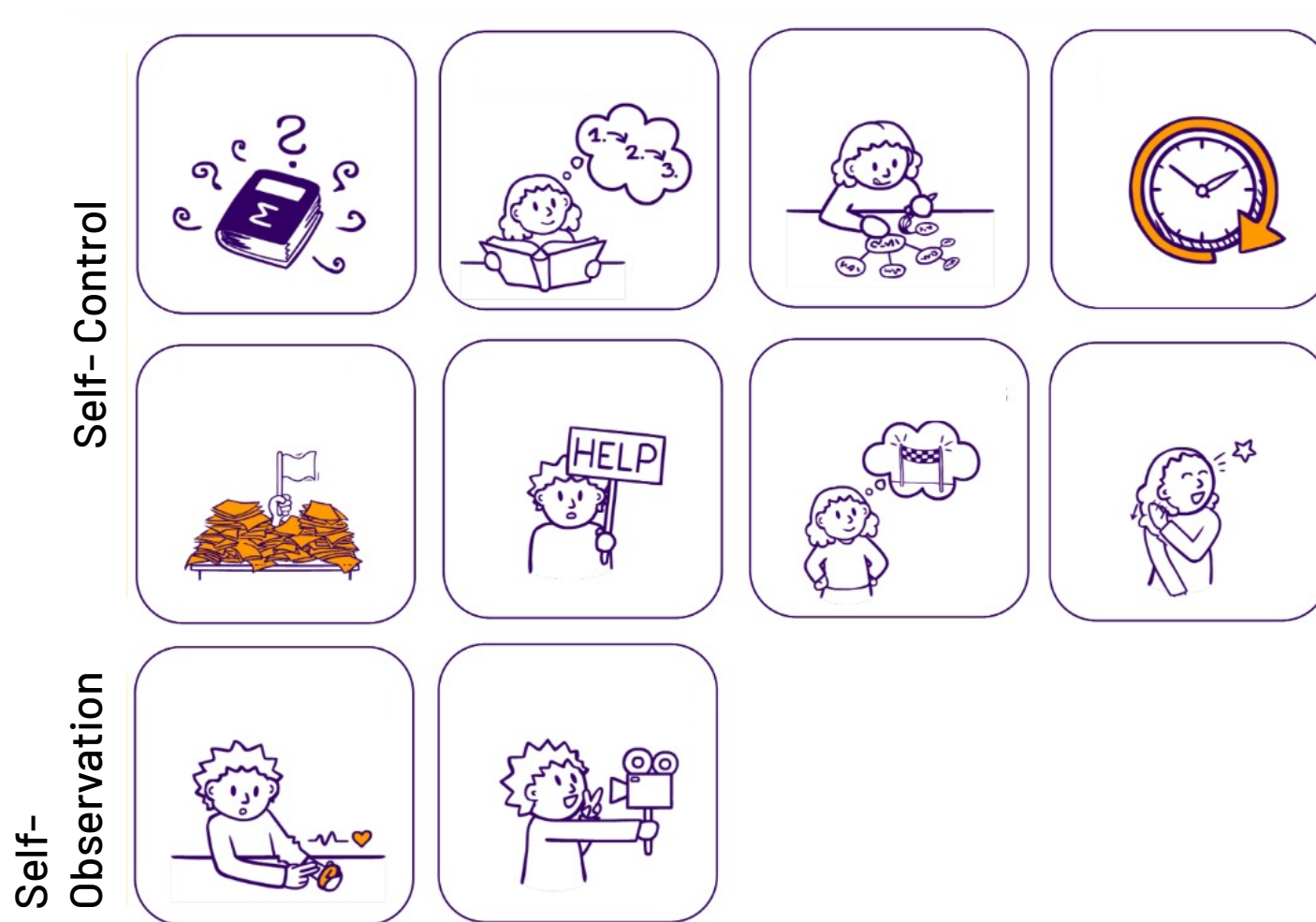
Task analyses



Self Motivation



# Self Regulated Learning



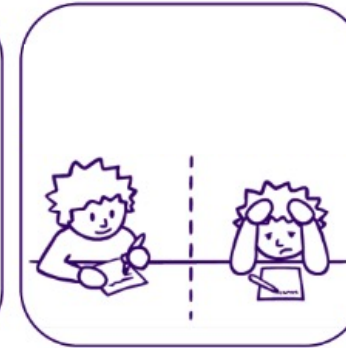


# Self Regulated Learning

Self Judgement



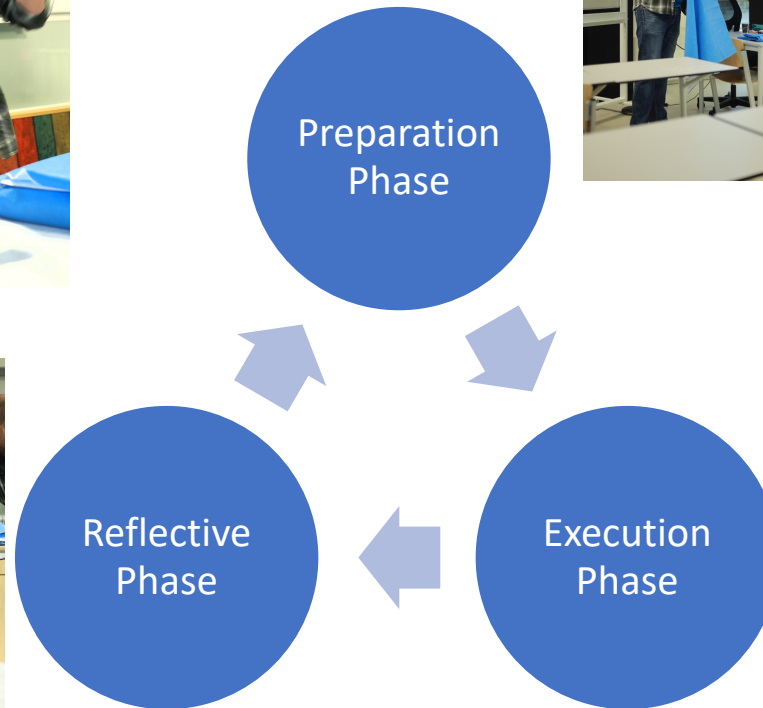
Self Reaction



# Self Regulated Learning



# Putting The Theory in Practice!

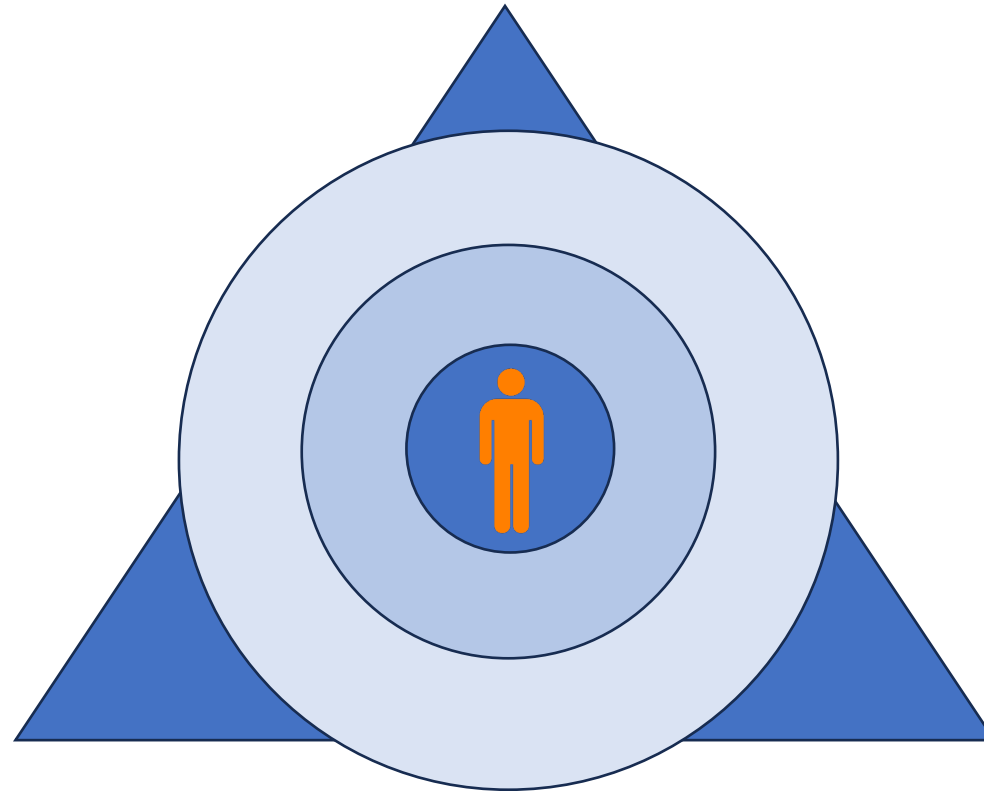


# Core Values

Subjectification

Qualification

Socialisation





# 1 Module:

- 3,6, or 9 weeks
- Feedback and Coaching are key!
- Electronic Learning Environment
- Overarching products
- Competency assessment in week 9



# Putting the Theory in Practice!

The 1st Year:



Microbiology



Logistics &  
Quality  
Assurance



Flexible  
Endoscopy



Chemistry  
Physics  
Desinfection



(Process)  
Engineering



# Putting Theory in Practice

2<sup>nd</sup> Year:



Professional  
Development



Informing &  
Instructing



Instrument  
Monitoring



Minors



Examination



# Putting Theory in Practice

Focus on Self Regulation:

- Letting student create their own learning strategies.
- Making time management more prevalent in learning.
- Make self-reflection a big part of the lessons (planning, monitoring and evaluating)





# Putting Theory in Practice

A typical lesson in Flexible Endoscopy:

	8:30 Check in	
	8:45 College:	Working Safe and without Risks in Endoscope Reprocessing
	9:45 College:	The Digestive System; Anatomy, Physiology, Pathology
	10:45 Workshopping:	Coaching on Professional Development, Manual Cleaning of a Flexible Endoscope Working on Assignments Self or team evaluations
	11:45 Check out	



# Learning from yourself, and others!

- 'Triangle Learning'
  - Student - Student - Student
  - Student - Teacher - Workplace
  - Student - Theory - Teacher

## Means

- Competency-based interview
- Peer reviews
- Electronic Learning Environment
- Assignments



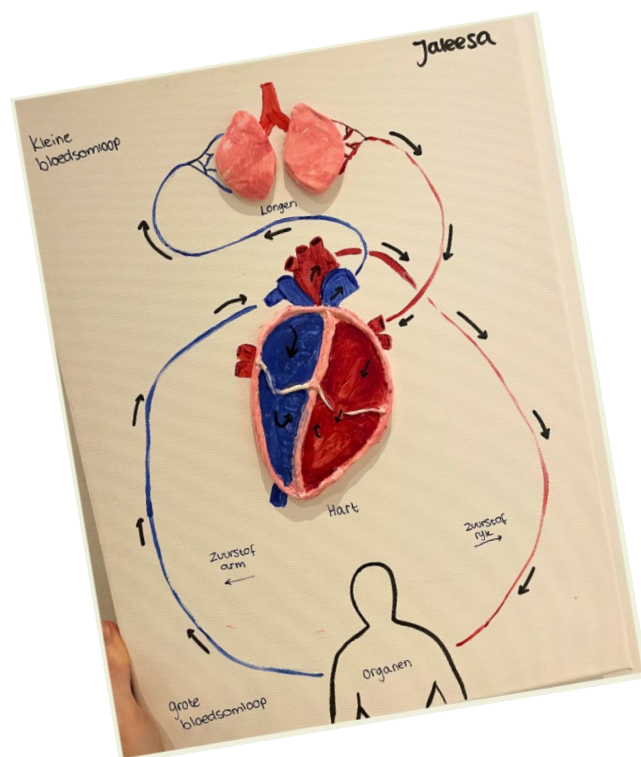
# Learning from yourself, and others!

About the competency based interview:

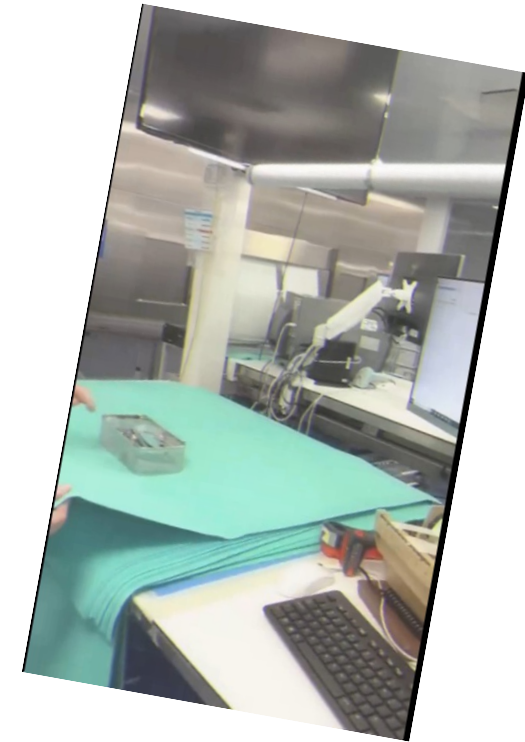
- Part of the Cyclical proces of Self Regulated Learning
- The goal is to record (and celebrate) growth!
- Based on the goals of the student, in its context.



# Putting Practice and Theory together!



# Putting Practice and Theory together!





# Conclusion

## Modular, Self Regulated Education

- + Adeptable education
- + Following the innovations in Hospitals & Clinics.
- + Following the development of its students.
- Easier to hide for students in a larger group.
- Educated, Coaching, Educators and Trainers.
- Predetermined goals, literature and assignments.





# Tips and Tricks for everyone!

Let the student shape their own way of learning by setting SMARTIE goals and make their own picture's

Use PDCA in your learning proces

Focus on Autonomy, Challenge the Student and  
be RESPONSIVE as an educator or instructor.



# What's Next for us?

- Implementing the new Qualification Structure For CSSD
- Making modular courses applicable to other trades e.g.
  - Instrument Sterilization for DMD/ MD assistants
  - Medical Logistic for Medical Warehouse Staff members/ Truck Drivers
  - Asceptic Techniques For Medical Engineers
  - Entry level courses For smaller clinics



# Like To Know More?

## Literature:

- General Theory on *Blended Learning*
- Biesta's *Qualification, Socialization and Subjectivication*
- Zimmerman & Peeters on *Self- Regulated Learning*
- Freire's *Pedagogy of The Opressed*

## QR's:

ELO (Eng):



Podcasts (NL):



Linkedin:



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