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# What is Precision Teaching?

Precision Teaching is a system for precisely defining and continuously measuring dimensional features of behavior and analyzing behavioral data on the Standard Celeration Chart to make timely and effective data-based decisions to accelerate behavioral repertoires. -Evans, Bulla & Kieta (2020)









### **Component-Composite Analysis**

- + We can terminal goals (i.e., composites) down into smaller component repertoires
- + If we want column addition, we will not start with teaching column addition → Need to look at component skills that are required to produce that skill
- + In order to identify what skills to pinpoint for instruction, we need to analyze our instructional material into the relevant components

	Component/Composite Analysis				
	Composite Repertoires	Component Repertoires	Tool Skills		
	jazz improvising	playing a complicated piece on a piano	playing piano scales	;	
	inventing new medical procedures	designing protocol for liver biopsy	identifying medical tools		
	solving urban living problems	synchronizing traffic flow with traffic signals	reading traffic flow reports		
	critical reading	retelling what's read	decoding text		
	expert ice skating	completing a Figure 8	coming to a stop		

# Component–Composite Analysis

	Definition	Example
Composite Skills	Higher-level performances; combinations & blends of component repertoires	Writing Numbers
Component Skills	<ul> <li>Second level building blocks</li> <li>depend on one or more tool skills</li> </ul>	- Holding a pencil - Making marks
Tool Skills	Minimal response sets that underpins all other skills • entry repertoire before starting a program	- Pinching

Compone + Tool, compone + The enterin + The specific + What is a tool	nent-Composite sking behavior repertoire to objective or goal skill for one person o	<b>OOSITE Analy</b> ills are all <u>relative</u> to a for the learning r objective, may be a com	<b>SiS</b>
	Skil	l Analysis	
Composite(s)	Writing Numbers		
Component Skill(s)	Holding a Pencil Making Marks		
Tool Skill(s)	Pinching Squeezing Attending to stimuli		

Compo	onent-Com	posite Analy	<i>y</i> sis	
	Ski	ll Analysis		
 Composite(s)	Writing Numbers	Single Digit Math Facts Setting up math problems		
Component Skill(s)	Holding a Pencil Making Marks	Writing Numbers Discrimination between numerical signs (+,-,x, ÷)		
Tool Skill(s)	Pinching Squeezing Attending to stimuli	Holding Pencil Writing Marks		J
			TUL	

Compo		posite Allary	1212
	Ski	ll Analysis	
Composite(s)	Writing Numbers	Single Digit Math Facts Setting up math problems	Basic Computational Algorithms (+,-,x,÷)
Component Skill(s)	Holding a Pencil Making Marks	Writing Numbers Discrimination between numerical signs (+,-,x, ÷)	Single Digit Math Facts Setting up math problems
Tool Skill(s)	Pinching Squeezing Attending to stimuli	Holding Pencil Writing Marks	Writing Numbers Discrimination between numerical signs (+,-,x, ÷)

































### Component Skill – Math Project

- + Setting: Pull out room in a school for children with ASD
- + Participants:
  - + Six children in control group
  - + Three children in intervention group
- + Intervention:
  - + Control group received instruction as normal
  - + Intervention received instruction on math tool skills first
  - + Once frequency aims met, began MMFF curriculum

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