

Cognitive Tools For Mining

Tool One: Set a purpose

When I set a clear purpose, I give myself permission to focus my observations and questions on one main area.

What do I want to uncover?

Tool Two: Observe the learner

My purpose guides what I choose to look for, but I still keep a wide vision during observation.

How and when will I observe to collect data?

Tool Three: Ask process-oriented questions

I am intentional with my process-oriented questions when I seek understanding.

What types of questions will I ask about processes?

Tool Four: Listen

"I remember to bring an admiring lens to what I listen for. I use listening as a tool for uncovering the type of mindset," p.98. When I listen, I keep process at the forefront.

In what ways will you listen with intentionality and with an admiring lens?

Tool Five: Collect

I am thoughtful when I collect information both during and after the experiences.

Have I collected notes about what was uncovered both during and after the experience?

Reflection Chart When Being a Miner		
Step	What It Is	What It Is Not
Set a purpose	Deciding on a clear focus before beginning to mine	Assessing whatever the day's lesson might have been or having no focus at all
Observe the reader	Taking time to see what the reader is doing and becoming curious about the learner	Looking for something to fix or change
Ask process-oriented questions	Having discussion that helps uncover how a learner learns and allows the learner to show you what he/she does	Quizzing the learner on the content of the lesson
Listen	Being open to what the learner has to teach you about his/her own process and mindset	Correcting and fixing any mistakes you hear
Collect	Documenting what I just did and learned about the learner	Forming judgments and fitting learners into a checkbox

