Applications of cognitive apprenticeship:

Where have you seen examples of these principles?

What applications of these principles do you see for your teaching?

Pearls on Educational Principles:

- Present an influential idea in education
- Suggest examples of its use
- Give an opportunity to apply the idea to your teaching

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The examples:

Cognitive Apprenticeship in UME Near-Peer Teaching
An intern helps a student admit a patient by:
- asking additional history questions and suggesting which parts of the PE to perform (scaffolding);
- prompting the student to suggest a differential diagnosis and explain their reasoning (articulation);
- providing feedback on the student’s plan before guiding them through writing electronic orders (coaching);
- explaining the admission plan to the patient while the student observes (modeling).

Cognitive Apprenticeship in GME Learning
A residency incorporates elements into a new Systems-Based Practice (SBP) curriculum:
- residents complete yearly QI projects in their continuity clinics to address the challenges they face in caring for patients (sociology: real-world context);
- interns are limited to projects solvable through interventions aimed at one microsystem (sequence: low complexity first);
- residents learn PDSA model and project management (content: SBP and problem-solving);
- faculty learn project guidance and feedback skills (method: coaching).

References: