

Figure 2.4: Sample Learning Progression for Articulating a Knowledge Item as a Learning Progression

Procedural Knowledge: <i>Articulating a Knowledge Item as a Learning Progression</i>		
	Criteria	Learning Plan
Acquisition	<p>List the steps or describe the process.</p> <p>Explain when to use the process.</p> <p>Explain why to use the process.</p>	<p>What are the steps involved in performing this process?</p> <ol style="list-style-type: none"> 1. Determine if the knowledge item is declarative or procedural. 2. Select the proper template for the knowledge. 3. Answer the questions in the Learning Plan column using online or print resources. <p>Is the order of the steps important?</p> <p>Yes, the order is important.</p> <p>When is it appropriate to use this process?</p> <p>When you are starting to learn about a new knowledge item</p> <p>Why is it advantageous to use this process?</p> <p>There are two different kinds of knowledge: declarative and procedural. They are learned differently.</p> <p>A learning progression shows what you know now and what you need to work on learning next.</p>
Shaping	<p>Perform the process without errors.</p>	<p>What are common errors made when performing this process?</p> <p>Misidentifying the type of knowledge</p> <p>Not using resources to answer the questions</p> <p>How can errors be avoided when performing this process?</p> <p>Ask yourself if the knowledge includes any kind of process; if it does, it is procedural. Become familiar with resources.</p>
Internalizing	<p>Perform the process at the appropriate rate.</p>	<p>Do I need to learn this process to automaticity, or is controlled processing enough?</p> <p>Automaticity</p>
Utilization	<p>Complete a complex task using this knowledge.</p>	<p>How would this knowledge be used in the real world or in a grown-up job?</p> <p>I am a parent, and my child is sick. I need to learn about their illness and the medical options available for treatment.</p>