

## Advanced Skills

Skill	Questions to ask yourself	Beginning	Developing	Succeeding
<b>Courage</b>	<ul style="list-style-type: none"> <li>How do you react to uncertainty?</li> <li>What do you do when you feel overwhelmed?</li> <li>Do you take intellectual risks?</li> </ul>	I don't like to try things unless I'm reasonably certain what the outcome will be.	I take some risks, but I sometimes miss out on some good opportunities.	I make a decision to trust that I'll learn something from each experience, even if I'm unsure at times.
<b>Mental Resourcefulness</b>	<ul style="list-style-type: none"> <li>Where do you turn for new ideas?</li> <li>Do you look for connections between ideas?</li> <li>Do you apply past experiences to new situations?</li> </ul>	When something feels unfamiliar, I often assume it's not useful.	There have been times when I disregarded new ideas before considering them fully. I don't often see connections between what I'm doing and what I've done.	I always try to consider things, even if they seem odd or surprising at first. I often relate new ideas to old ones.
<b>Communication</b>	<ul style="list-style-type: none"> <li>Can you clearly convey an idea to someone else using pictures, speech, or demonstrations?</li> <li>Do you give examples that support your ideas?</li> <li>Do you seek consistency in ideas?</li> </ul>	It seems like others don't understand what I'm trying to say/convey most of the time. Once I try to communicate something, I move on to the next thing.	I can usually convey my ideas, but often others don't seem to understand what I'm trying to communicate. When the message doesn't get across, I might try one other way of communicating.	Communication is strength of mine. When I'm feeling misunderstood, I search for new ways to convey my point. I look back through my conclusions to make sure they're clear and consistent.
<b>Diligent Skepticism</b>	<ul style="list-style-type: none"> <li>How do you evaluate the quality of procedures?</li> <li>Do you scrutinize sources of information and search for ways to test ideas?</li> <li>Can you identify problems with procedure that lead to erroneous or incomplete conclusions?</li> </ul>	Much of what I believe came from someone else directly. When someone sounds convincing, I trust that they are right.	I should ask more questions about information that I receive, and steps that I'm taking. Sometimes I discover that I've been lead down a path that I could have avoided with more thought, testing, and questioning.	I ask plenty of questions (to myself and others) and head off problems before they start.
<b>Collaboration</b>	<ul style="list-style-type: none"> <li>Are you respectful, supportive, and critical of peers?</li> <li>Do you share your ideas with others?</li> <li>Do you consider strategies employed by your peers for study, organization, and investigation?</li> </ul>	Sometimes I either: don't participate; dominate the work, so that others might not feel like they have a role; or, distract others.	I'm great as either a leader or participant, but not both. I could be more mindful of the needs of others with whom I work. I try to learn from what others are doing.	I am an asset to any team. I know how to lead when appropriate, and how to support others when they take the lead. I think pretty much everyone has something to offer me.
<b>Reflection</b>	<ul style="list-style-type: none"> <li>Do you consider past experiences when making choices?</li> <li>Do you reference prior work?</li> <li>Are your reflections thoughtful and substantive?</li> </ul>	Once I complete something, I usually just move on to the next thing, without thinking about how it went.	I don't always reflect after each science experience. I don't review my notes during and after a topic of study. I'm not great about considering how things went.	I squeeze every bit of learning from everything that I do by evaluating what happened. My notes are excellent, and I use them often to check on my ideas.