



# Who are self-directed learners?

- Interested in the subject matter
- Well prepared
- · Ready with comments, ideas, questions, and insights
- Problem-finders and problem-solvers
- Unafraid to fail or to admit they do not understand
- Driven to rectify failure and to construct understanding

(Zimmerman and Paulson, 1995)

## What is Metacognition?

- Awareness or analysis of one's own learning or thinking processes
  - Being aware of what you know and don't know.
  - Understanding what you will need to know for a certain task.
  - Having an idea of how to use your current skills to learn what you don't know.











		50	40	30	10
Susplix chain resort The report should describe <u>the complete susplix chain</u> for the productor service that was researched. Also, use section headings to describe:	Depth and detailed coverage of material presented.	Report has sufficient detail, and each point is supported by evidence.	but some details are	Details are fuzzy and there is no evidence stated that can provide depth.	Report is written from a personal opinion point of view
Transportation modes in place: air, rail, road, water Inventory practices	points				
We holuse management Procurement tradigies Manufucturing strategies Customer purchasing statems supply chain attachasings, e.g. suppliers and distributors, outsourced Gobal network	Organization of the report points	Report follows the standards outlined in the assignment	Report is missing one of the sections outlined in the assignment.	More than one of the sections are missing or out of place.	Sections are completely missing a there is no organization evident.
The report should answer the following guestions among other questions, (check Chapter 14 of textbook for more questions) Are we doing what we should be doing? Are we doing these things as well as we can?	Graphical Illustration	Report and presentation has easily understood and labeled graphics.	Graphics are clear, but are not used in the most advantageous way.	Graphics do not support the contentions in the report.	No graphics were included to support the point of the paper.
Answer these questions to justify necessary changes and the potential value of improvements that your team is proposing.					
ading e grade will be based on • <u>Desth and detailed coversage</u> of material presented. • Organization of the report • The use of graphs and charts to illustrate points	Research Methodology points	Report has correctly cited sources. Report uses a variety of both juried journals and mass media.	Relied too heavily on non-juried materials. Citations when used are correctly formatted.	Citations are incorrectly formatted, and there are too few to support the research.	There is no clear research methodolog evident.
The research that went into developing the report	Total				

# How to help students evaluate their own strengths and weaknesses.

## Practice

- Timely feedback with explicit performance based assessments.
- Formative Assessments
  - Identify particular skills that are targeted in a particular task.
  - Allow the individual to correct and enhance their weaknesses.
- Complete feedback.
  - Be as explicit as possible in giving feedback
- Opportunities for Self-Assessment [in context]
  - Self-reflection in a low stakes setting is an important skill for any professional to cultivate.

# Planning

- Model appropriate planning.
  - Let the students see how you operate in your discipline.
  - Focus on how to plan as well as how to make changes if necessary.
- Allow students to create their own plan
  - Give extensive feedback
  - Require self-reflection.
- Planning should always be a central element of the activity.









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### The "A" Student

I was exhausted from reading and grading twenty-five papers over the weekend, but was glad to be able to hand the papers back so quickly. The paper was supposed to evaluate emergent research for application in a professional setting. After I turned back the assignment, one of the students approached me and insisted she needed to talk with me "immediately" about her grade. Her work was a typical first paper of this kind. Rather than evaluating the evidence she presented in the paper, she simply summarized several research articles in her topic area. Her paper lacked a clearly articulated argument, and there was only weak evidence to support what I could infer was her main point. She explained that she was a "gifted" writer who received "A"s on most of her collegiate writing, and that her mother, a high school English teacher, had read the paper and thought it was excellent. The student admitted that she had started this assignment the night before it was due, but insisted that she worked best under pressure, "That's just how my creative juices flow".

Adapted from How Learning Works, Ambrose, et.al., 2010

- To better understand this situation, is there further information you need?
- How does the student's behavior reflect her:
  - self-monitoring;
  - self-management;
  - expectancy for success and value of their learning?
- Are there steps you would take next?
- What instructional techniques can you use to influence her selfdirection?

L7

#### The Hamster Wheel

On his second case-study project, John only scored a 70%. It was mystifying because he attended every class and meeting, sitting attentively, and taking copious notes. He pored over the materials, documentation and the guidelines he needed to apply in a professional setting. His description and diagnosis of the problem and symptom statements were poorly justified and constructed. His first case study was not very good either, though he wasn't alone in that regard. By this time however, he should have learned what to expect and how to present his case in writing. When I asked John what happened he, too, seemed perplexed. He said he had studied for weeks, showing me the glowing yellow pages where he highlighted relevant content. He used notecards for prompts as he wrote his case summary. He even memorized various terms by using flashcards. When I asked where he learned this approach, he said it had been working for him for years, as he was preparing for traditional tests.

Adapted from How Learning Works, Ambrose, et.al., 2010

- To better understand this situation, is there further information you need?
- How does John's behavior reflect his:
  - self-monitoring;
  - self-management;
  - expectancy for success and value of their learning?
- Are there steps you would take next?
- What instructional techniques can you use to influence John's selfdirection?

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