Effective Learning Approaches

Deep Processing optimizes learning... orient yourself with these ideas:
1. **Elaboration**: How does this concept/problem/question relate to others?
2. **Distinctiveness**: How is this concept/problem/question different from others?
3. **Personal**: How can I relate this to my prior knowledge, motivation, &/or personal experience?
4. **Appropriate to Retrieval & Application**: How am I expected to use or apply this?

Good study strategies make you process information at a DEEP LEVEL...
1. Generate good questions – make them meaningful! For instance, Qs based on
   a. facts (ok but not great)
   b. connections between ideas or facts
   c. compare/contrast problems or processes
   d. think about implications and significance
   e. analyze
   f. generate examples that tie ideas/material together

   2. Draw a concept map showing nodes and links

   3. Practice retrieving and using the information in the way the teacher expects
      a. practice recall without referring to notes (out loud helps!)
      b. practice using the information **HUGELY IMPORTANT IN MATH & SCIENCE!!!**

   *Remember, recognizing a solution is not the same as solving a problem.*
   *Recognition ➔ Understanding ➔ Mastery & Application*