|  |  |  |  |
| --- | --- | --- | --- |
| **Student Abilities Profile** | | | |
| **Narrative: John** | | **Equipment:** (lab equipment, furniture, protective clothing, chemicals, etc.)  A wide range of science equipment and materials are used in the science lab. | |
| **Task/Assignment:**  Actively participate in science classroom and lab experiences, including lab manipulation of small objects. | |
| **Environment:** (facility, fumes, odors, dust, temperature, noise, lighting, etc.)  Classroom work is typically performed individually, and lab work is performed in pairs. The classroom tends to be quiet, and the lab is noisy. | |
| **Physical Challenges:**   * Difficulty grasping small objects * Difficulty using hand * Difficulty carrying objects * Difficulty using certain lab equipment and materials | **Potential Strategies / Accommodations**   * Work with a partner * Work with objects that can be used with one hand or with the prosthesis. * Use equipment with handles * Allow more time for setting up the lab area and taking notes. * Use of rubber glove to help with grip | | **Resources**   * Work with student and parents to discuss needs or concerns * Work with an Occupational Therapist to discuss ideas or strategies to help student be more independent. * Research the site: <http://www.washington.edu/doit/Stem/mobility.html> for more information and ideas on how to incorporate accommodations into your teaching practices. |
| **Sensory Challenges**  **None** | **Potential Strategies / Accommodations**  **None** | | **Resources**  **None** |
| **Cognitive Challenges**  **None** | **Potential Strategies / Accommodations**  **None** | | **Resources**  **None** |

|  |  |  |
| --- | --- | --- |
| **Physical, Sensory, and Cognitive Issues and Challenges** | | |
| **Physical Issues**  Think of the required physical aspects of the task. What will make the environment accessible, keep the student safe and allow him/her to be an active participant? What lab equipment must be manipulated?  **John will need accommodations to actively participate in lab experiments during manipulations of small objects:**   * **Equipment with handles should be used, or handles should be provided for equipment or beakers that do not have them.** * **A rubber glove may be worn on the prosthesis to help provide a better grip surface.** * **Student may work with objects or equipment that can be used or manipulated with one hand.** * **Working with a partner** | **Sensory Issues**  Think of room temperature, noise, fumes, dust, odors, and allergies. Also consider the ability to speak and/or communicate, and the visual aspects of the task or assignment.  **No Sensory Issues** | **Cognitive Issues**  Is the assignment done with a group, partner or individually? What memory and communication skills are needed? What is the level of complexity of the task.  **No Cognitive Issues** |
| **Physical Challenges**   1. lift / carry 2. stamina / endurance 3. push / pull 4. kneel / squat 5. reach 6. repetitive tasks 7. fine motor: pinch / grasp 8. fine motor: manipulate / maneuver 9. gross motor 10. sit in chair 11. walk / stand 12. balance 13. bend / twist 14. stoop / crouch   other | **Sensory Issues**   1. vision 2. hearing 3. touch 4. smell 5. taste 6. oral communication 7. temperature 8. fumes 9. external stimuli 10. lighting   other | **Cognitive Challenges**   1. short term memory 2. long term memory 3. task complexity 4. reading 5. writing 6. spelling 7. string of numbers (math) 8. paying attention 9. visual, auditory, or kinesthetic learner. 10. self-esteem / advocacy issues 11. behavior issues / acting out   other |