

# BattleBots IQ SCANS Activities

Using available means, create a matrix of SCANS and Student Participants (*Refer to the example file SCANS.xls*). Each student should complete this entire assignment. When finished the assignment should be kept in a journal for reference at the end of the year.

**Procedure:**

List ALL the SCANS on the left vertical column (The Y axis) and the BattleBot participants on the top horizontal row (The x Axis).

Example:

**SCANS COMPETENCY MATRIX**

Participants	Mr. Peterson	Julie Mane	David Dole
SCANS			
Allocates Time	√	√	√
Allocates Money	X	√	√
Allocates Resources		X	√

Each student should place a check mark √ for each listed SCANS skill which they believe best describes a competency they possess. In addition each student should mark an X for each SCANS Skill they believe describes a competency they least possess.

Every student should record ALL the students assessments so they have a visual picture of the Team's SCANS profile.

Identify and list the SCANS that your team needs to develop.

**Activity #2**

**Creating and maintaining good impressions is a necessary skill. Looking at the people we address, speaking clearly, making and holding eye contact as well as the syntax of our body language all contribute to the effectiveness with which we deal with others. Dealing effectively with others is an essential team skill. This activity can be very challenging for some students and teachers. However, like a baseball player willing to review the tapes of their performance in order to improve their hitting, this can be an invaluable exercise in personal growth and improvement. Please use caution and respect when dealing with peoples image of themselves.**

Discuss the SCANS in class and note familiar examples of these competencies. Divide the 40 listed terms, concepts and definitions equally among the participants. Each participant should write and memorize a description and/or cite an example of the

particular terms, concepts or definitions assigned. Where possible the students should cite examples in the context of the BattleBot Team.

Example:

"Maintains Equipment, could mean that we are all responsible for cleaning and organizing the tools and the lab facility in which we build the BattleBot. Leaving tools out of place even for short periods can. Over time, waste many man hours in a needless search for drills, bits and wrenches. Thoughtful organization on the other hand can increase time spent on the task of designing and building the 'bot and preserve human resources for related team tasks. The time spent caring for the tools and the facility could net additional advantages for our team."

Video tape or otherwise visually record each students presentation of what they describe. No one is to read from a paper and each student is to address the camera as though it were someone they were talking to. Allow each student to review their taping either publicly or in private (at their request) and record in writing, their feelings about what they see. Pay particular attention to eye movement, clarity of speech and the flow of the words. Note body language and motion. Save the students personal assessment assignment in the notebook.