

**Career Pathways for Individuals with Disabilities
Academy**

NAME: Ms. Robot **PID#:** _____

Academy AREA: Robotics **ASSESSMENT PERIOD:** 6/24/2019 - 6/28/2019

INSTRUCTOR(S): Dr. Chuck Gardner **Vocational Rehab. COUNSELOR:** _____

ATTENDANCE: Hours Attended 40 **AWARE STATUS:** Service **Graduation/Grade in School:** 2019

<p>SOCIAL-WORK BEHAVIORS: <input checked="" type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory (Identify deficient areas) <i>See comments section of report.</i></p>	<p>Academy SITE(S): Robotics Virginia Rehabilitation Center for the Blind and Vision Impaired Richmond, VA</p>
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ASSESSMENT TASKS (List by Name)	Rating
Fits into team and contributes to the group	5
Can follow multi-Step directions	5
Good listening skills and asks questions of the instructor	5
Is computer literate and is comfortable with on-line course material	4
Participated in hands on activities as part of presented curriculum	5
Understood science topic presented with each hands on activity	4
Understands general idea of computer concepts	4
Demonstrated competency in participating with hands on robotics work.	5

RATINGS		
1	=	Unattempted
2	=	Attempted but not tested
3	=	Could improve
4	=	Competent
5	=	Exceeds Competency

COMMENTS (regarding Assessment Tasks & Social-Work Behaviors)

Ms. Robot participated in a five-day Dream it! Do it! Academy that was held at the Virginia Rehabilitation Center for the Blind and Vision Impaired in Richmond VA. This residential camp had several evening activities including rock climbing, The Escape Room, swimming and other on-site activities. Ms. Robot participated in all activities. It was noted that she did not ask the interpreters to come to meals unless there was a speaker.

The goal of the robotics academy is to get young adults excited about the fields of “engineering, mechatronics and software development as they design, construct and program an autonomous robot”. Each student was given a laptop computer and a Boe-Bot Robot Kit. They assembled the robot which included Servo motors, LED circuits, and working with Basic Stamp Editor Software. They programmed their robot for a variety of actions such as text to speech, worked with distance detection, accelerometer, phototransistors, tactile navigation with whiskers, and Ultrasonic Distance Sensor. While in the academy, it was observed that Ms. Robot enjoyed working with the robot and generalized the information.

Instructors Comments:
 Fantastic and caught on quick
 Needs to be more sure of herself
 Creative and took to directions
 Would have liked for her to speak up in class more

Robot Rally / Demonstration of skills learned: Ms. Robot talked in front of the group with the interpreter. She demonstrated led lights as a visual cue, ping with obstacles and her robot would light up before it turned away from the obstacle.

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ACCOMMODATIONS USED FOR Academy: Interpreter, note pad on phone for communicating with students

WORK READINESS TRAITS:

S	Attendance/Punctuality		
S	Personal Presentation		
S	Attention to Task	Ratings:	
S	Safety Awareness	S	Satisfactory
S	Follows Instructions	M	Marginal
S	Communication and Interpersonal Skills	U	Unsatisfactory
S	Response to Supervision	N	Not Observed/Not Applicable
S	Initiative and Dependability		
S	Attention to Detail/Quality of Work		
S	Care with Materials		
S	Work Energy/Work Tolerance		
S	Work Pace		
N	Customer Service		

Skill Gain Achieved (Y/N)	Y	*List at least 1 skill gain below	Credential Achieved (Y/N)	N	*List at least 1 credential below
SKILL GAIN(S): Increased understanding of general Robotic processes and related science and terms.					
CREDENTIAL(S): None.					
Interest Voiced in IT/Robotics at the end of the Academy: Yes					

Potential Next Steps:

Ms. Robot reported that after school she would attend the international space academy.

She is interested in computers but not sure about coding.

Transportation needs to be explored. Ms. Robot noted that she did have her intergalactic learners permit.

Career Exploration:

https://thecareerindex.com/dsp_intro.cfm

<https://www.vaview.vt.edu/912/careersq/career-search>

Explore computer field to get a better idea of careers in the field.

*Certificate Training *internship

*Job Shadowing *Informational Interviews

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Signature

Instructor

Date

Dr. Chuck Gardner

7/5/2019