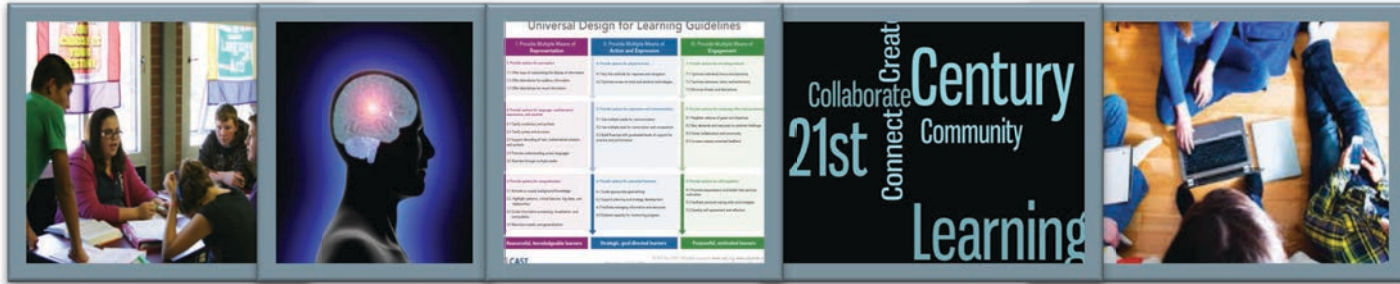


Vocational Assessment in the 21st Century: Assessing Transferrable Knowledge and Skills



Frances G. Smith, Ed.D, CVE
Adjunct Professor, GW University
Educator/ Consultant, Recognizing Differences, LLC
Board Member-at-Large, VECAP

Goals for this session...

- Identify the core components of a comprehensive vocational assessment process.
- Discern the value of best practice for using real or simulated work in a comprehensive assessment and how this contributes to transferrable knowledge and skills.
- Understand how current technologies and techniques can enhance the authenticity of client evaluations and how this contributes to transferrable knowledge and skills.





<http://www.VECAP.org>



The Future of Work



A fear of technological unemployment
Technology's slow and continual pressure on the value of work – full-time jobs.

- **Think job automation**
Consumption – The paradox of leisure.
- **Think digital/ cyber existence**
Communal creativity – The artisan's revenge.
- **Think Makerspaces**
Contingency – You're on your own
- **Think Internet enabled companies such as Uber, Seamless, Homejoy, TaskRabbit – entrepreneurship**
Government – The visible hand
- **Think job sharing**
Jobs and callings
- **Think "seeking immersive activities that people enjoy"**

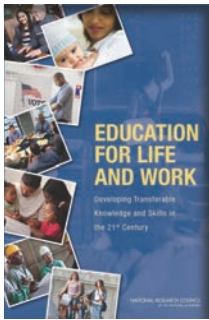
Transferrable Skills for the Future

<https://youtu.be/Op0c--Hw6TQ>

Emerging Trends for Education/Work

Cognitive skills (critical thinking, information literacy, reasoning and argumentation, innovation), intrapersonal, & interpersonal competencies (staying organized, responsible, hard-working) are positively correlated with education, career and health outcomes (National Research Council (NRC), 2012).

Developing expertise through deeper learning requires months or years of sustained practice, and benefits from guiding feedback and metacognition (NRC , 2012).

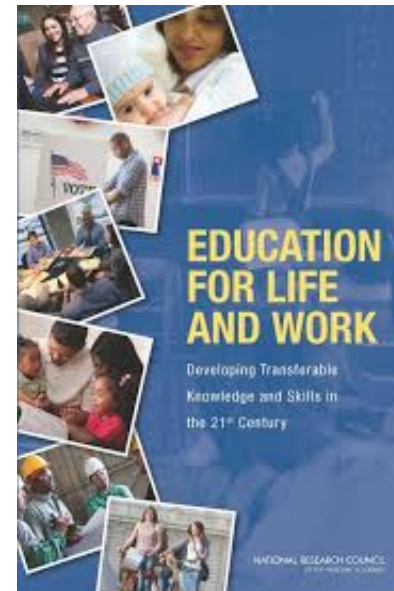
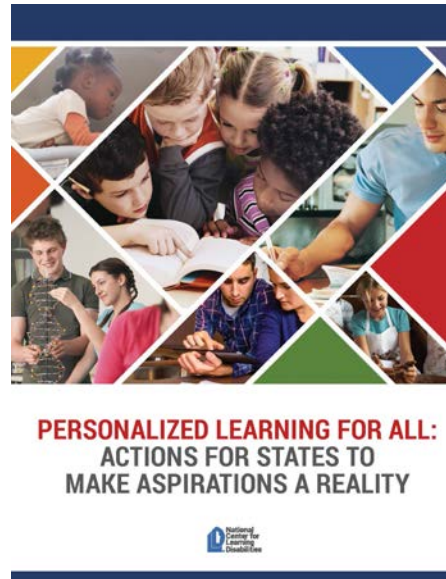
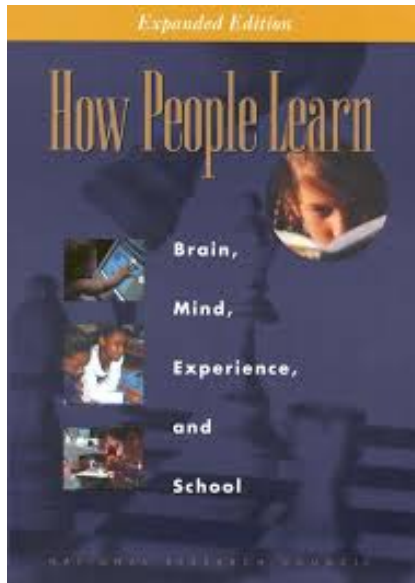


"Transfer is facilitated by instruction that help learners develop deep understanding; instructional designers should provide clear goals, a model of how learning will develop, and assessment measures to measure progress and attainment" (NRC, 2012, p. 9)

Curriculum and instruction programs should support methods that include multiple representations of concepts and tasks; encourage elaboration and questioning; engage learners in challenging tasks; teach with examples and cases; prime student motivation; and use formative assessments. (NRC, 2012).



Evidence from the Research



4 Contemporary Paradigms for Vocational Evaluation

Empowerment

**Universal
Design**

Culture

Individualization

Ahlers et al (2003). A new paradigm for vocational evaluation: Empowering the vr consumer through vocational information. 30th Institute on Rehabilitation Issues. Retrieved from <https://vecap20.files.wordpress.com/2014/01/iri30.pdf>

Empowerment

How does vocational assessment facilitate empowerment?

Empowerment

- **Consumer participation and choice-making in every step of the process**
 - Does she want to participate?
 - Does he understand that he can drive the process?
 - Does she select various assessment methods, instruments, activities?
 - Can he recount the results of each assessment activity?
 - Can she translate assessment results into planning and goals?

Universal Design

**Do we plan assessments with design
in mind?**


UNIVERSAL DESIGN (UD) AND UNIVERSAL DESIGN FOR LEARNING (UDL)

Universal Design

THE PRINCIPLES OF UNIVERSAL DESIGN

- ### 1. EQUITABLE USE

The design is useful and accessible to people with diverse abilities.




EXAMPLES:

 - 1a. Provide the widest means of use for all usable physical entrance passages, regardless of their use.
 - 1b. Avoid segregating or segregating any users.
 - 1c. Make provisions for privacy, security, and safety without restriction to all users.
 - 1d. Make the design appealing to all users.

CONCEPT:

 - Focus design with attention to entrance that are convenient for all users.
 - Integrated, discreet, and affordable seating is provided based on the space, entrance, and building.
- ### 2. FLEXIBILITY IN USE

The design accommodates a wide range of individual preferences and abilities.




EXAMPLES:

 - 2a. Provide choice in methods of use.
 - 2b. Accommodate right- or left-handed access and use.
 - 2c. Facilitate the user's accuracy and precision.
 - 2d. Provide adaptability to the user's pace.

CONCEPT:

 - Devices designed for right- or left-handed users.
 - All entrances, corridors, and other built conditions are fully and fully accessible (ADA) that has visual, hearing, and tactile cues.
- ### 3. SIMPLE AND INTUITIVE USE

Use of the design is easy to understand, regardless of the user's experience, knowledge, language skills, or current concentration level.




EXAMPLES:

 - 3a. Eliminate unnecessary complexity.
 - 3b. Be consistent with user expectations and intuition.
 - 3c. Accommodate a wide range of literacy and language skills.
 - 3d. Arrange information consistent with its importance.
 - 3e. Provide effective prompting and feedback during and after task completion.

CONCEPT:

 - A warning device is available in a public space.
 - An entrance is marked with signage on the wall.
- ### 4. PERCEPTIBLE INFORMATION

The design communicates necessary information effectively to the user, regardless of ambient conditions or the user's sensory abilities.




EXAMPLES:

 - 4a. Use different modes of conveying critical information.
 - 4b. Maximize "lightness" of essential information.
 - 4c. Subordinate secondary information that can be perceived if a user's primary information is perceived.
 - 4d. Provide compatibility with a variety of techniques or devices used by people with sensory limitations or blindness.

CONCEPT:

 - Tactile, visual, and audible cues and instructions are provided.
 - Redundant coding (e.g., color, communication, and signage) is provided. Signs, labels, and address cues.
- ### 5. TOLERANCE FOR ERROR

The design minimizes hazards and the adverse consequences of accidental or unintended actions.




EXAMPLES:

 - 5a. Arrange components, controls, indicators, and actions consistently to minimize the possibility of mistakes.
 - 5b. Provide warnings of hazards and errors.
 - 5c. Provide fail-safe features.
 - 5d. Design error prevention into the design that requires a significant effort.

CONCEPT:

 - A "fail-safe" feature is provided that allows the user to correct mistakes without penalty.
- ### 6. LOW PHYSICAL EFFORT

The design can be used efficiently and comfortably and with a minimum of fatigue.




EXAMPLES:

 - 6a. Allow user to maintain a neutral body position.
 - 6b. Use necessary operating forces.
 - 6c. Minimize repetitive actions.
 - 6d. Minimize sustained physical effort.

CONCEPT:

 - Lower or long handles on doors and handles.
 - Touch strips installed without a switch.
- ### 7. SIZE AND SPACE FOR APPROACH AND USE

Appropriate size and space is provided for approach, reach, manipulation, and use, regardless of user's body size, weight, or mobility.



EXAMPLES:

 - 7a. Provide a clear line of sight to essential elements.
 - 7b. Make reach to all components comfortable for any person or alternative use.
 - 7c. Accommodate variations in hand and grip size.
 - 7d. Provide adequate space for the use of assistive devices or personal assistance.

CONCEPT:

 - Grate on the floor and clear floor space around entrances, thresholds, elevators, and other obstacles.
 - Wide gates or tubway openings that accommodate all users.

THE PRINCIPLES WERE COMPILED BY ADVISORS OF UNIVERSAL DESIGN, AN INTERNATIONAL GROUP.

Betty Rose Corbett, Mike Jones, Ron Mack, Jim Mathias, Ann Mullen, Susan Stewart, Jan Sanford, Ed Steinfeld, Mully Storey, and Gregg Vanderheiden.

© Copyright 1997-2001, The University of Wisconsin-Madison, Center for Universal Design.



Center for Universal Design (2008). About UD. Retrieved from https://projects.ncsu.edu/design/cud/about_ud/udprinciples.htm

Learner Expertise

The Universal Design for Learning Guidelines

CAST | Until learning has no limits





UDL– THE HIGHER EDUCATION OPPORTUNITY ACT OF 2008

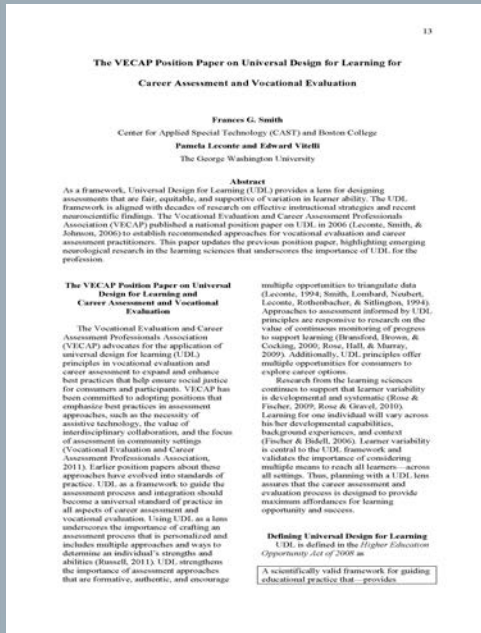


- ❖ Section 103(24) **UNIVERSAL DESIGN FOR LEARNING.**--
The term 'universal design for learning' means a scientifically valid framework for guiding educational practice that—
 - "(A) provides flexibility in the ways information is presented, in the ways students respond or demonstrate knowledge and skills, and in the ways students are engaged; and
 - "(B) reduces barriers in instruction, provides appropriate accommodations, supports, and challenges, and maintains high achievement expectations for all students, including students with disabilities and students who are limited English proficient."

Higher Education Opportunity Act of 2008

A National Position on UDL in Career Assessment & Vocational Evaluation

- Broadening understanding and opportunities...



- The need for multiple representations of assessment materials.
- The importance of multiple ways for clients to act and express their knowledge.
- The opportunity to offer multiple means to engage the client in the assessment process to enhance authenticity.

Culture

A Question -
How do we
define culture?



Culture and cultural considerations

Ethnic, racial, linguistic and disability culture:

“the integrate pattern of human behavior that includes thoughts, communication, actions, customs, beliefs, values, and institutions of a...group” (Goode as cited in National Council on Disability, 2003).

Requires that we are aware, understand, and facilitate participation.

Individualization

Are we really individualizing or
falling into a familiar routine?



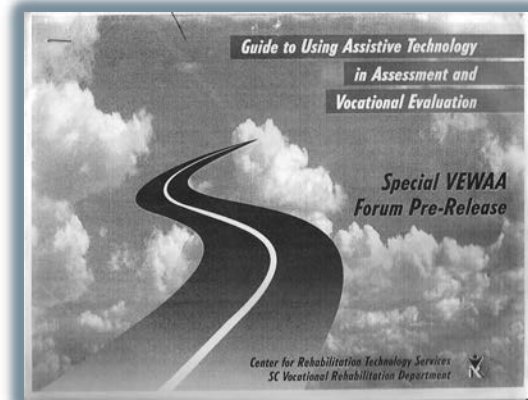
Individualization

- Most evaluation services have a general process that can be differentiated to meet one's needs—this requires an ‘inventory’ of many and varied methods, techniques, instruments, and activities
- Rarely, if ever, should we hear
 - “we give that to everyone” or
 - “everyone gets the same thing” or
 - “we don’t have time or resources to do different things”

From Jigs.....

We have all made accommodations with low technology:

- Creating jigs to allow someone with low cognitive skills to count, assemble, etc.
- Using dycem to hold items in place
- Placing guards on keyboards
- Color coding in lieu of reading



...to Nanotechnology

- Wearable technology: Pulse rate, BP, body temperature; also “body cams,” Google Glasses for observations, snippets of video for electronic reports or portfolios, etc.
- Smart homes: connect the above and the whereabouts of someone in their homes
- “Bionic” prostheses



Through Virtual Reality and...

- Eventually, it will become affordable
- Develop partnerships with individual industries to share their resources



Mobile Devices

- Portable tools enable anytime/anyplace notes and observations.
- New technologies include handwriting recognition, voice to text, audio recording, photos, videos and more.
- Rapidly developing portable apps offer tools and resources to support clients in training and on the job

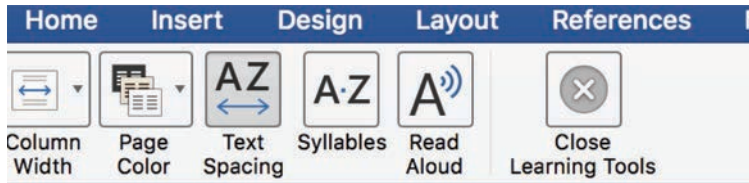
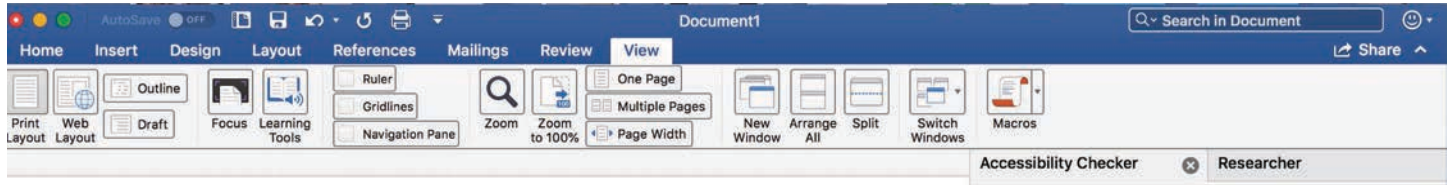
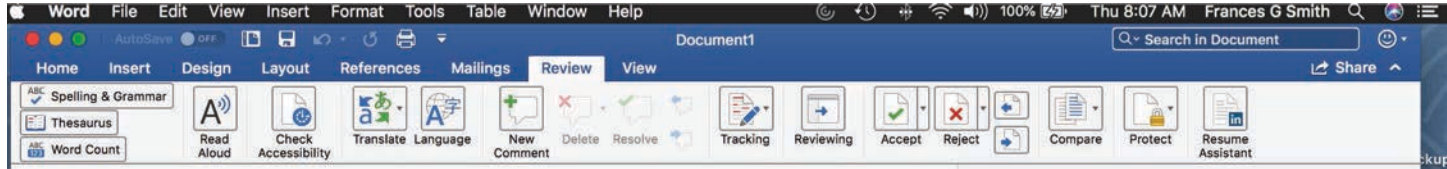


Tools and Resources that May be Helpful for taking and supporting Notetaking

- Using [a Livescribe Pen](#) to take and record notes.



Enhancements: Embedded Functionality: MS WORD (365)



< £

Collaboration tools expand opportunities

- Audio conferencing
- Video conferencing
- Live chatting
- Recording/archive opportunities
- Screen/document sharing



zoom

skype™

A Technology Enabled Classroom in the Future

- <https://youtu.be/uZ73ZsBkcus>



Current Technology in Vocational Evaluation: Trends and Opportunities

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Recognizing Differences.com

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George Washington University

William E. Garner
University of Arkansas at Little Rock

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Southern University and A & M College

Abstract

The role of technology in vocational evaluation has grown exponentially, particularly since the early 1980s with the introduction of desktop computers. Use of the Internet is now an essential part of vocational evaluation practice. Considerations of how evaluators have weaved computer technology into their assessment processes, based work samples and community assessments on industry technology, designed and developed reports, accessed web-based resources, and integrated assistive technology for best practices have played paramount roles in services. Fast forward to the 21st century where the digital reach and ubiquitous nature of technology have transformed vocational evaluators' everyday practices. Today vocational evaluators compose reports through multiple computerized and web-based means, using tools such as voice activated word-processing, cloud-based collaboration and editing, and electronic-based work sampling. Assistive technologies are more present in services and inclusive frameworks such as universal design and universal design for learning shape best practices. The growing reliance on digital means to access inexpensive tools, communicate, and connect increases the likelihood that prior predictions for virtual ways to provide career assessment and vocational evaluation services are increasingly the norm of the future. The purpose of this article is to trace highlights in the history of technology's role in VE and consider potential trends and opportunities.

Keywords: Vocational Evaluation, Technology, Career Assessment, Virtual Vocational Evaluation, Universal Design, Universal Design For Learning, Assistive Technology, Tele-Evaluation

**Current Technology in Vocational
Evaluation: Trends and Opportunities**

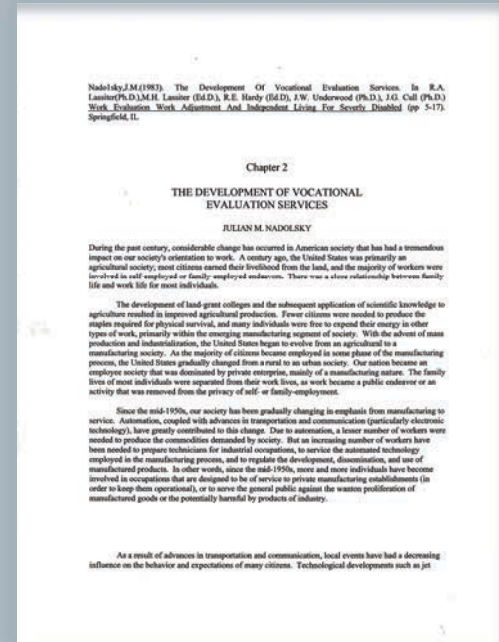
Tools of Evaluation, Special Issue 2015

53

Transferrable Skills

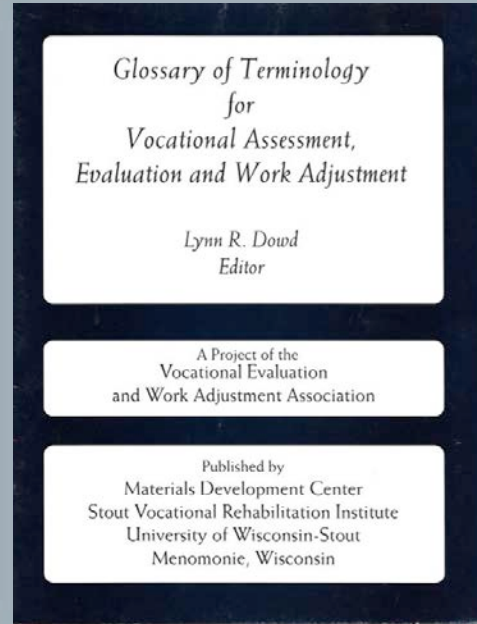
Vocational Evaluation/ Assessment

“...a process designed to *assess and predict work behavior and vocational potential* primarily through the application of *practical, reality-based assessment techniques and procedures..*” (J. Nadolsky, 1971)



How is vocational evaluation/ assessment defined?

“..a comprehensive process that systematically **uses work, either real or simulated**, as the focal point for assessment and vocational exploration, the purpose of which is to assist individuals with vocational development. Vocational evaluation incorporates medical, psychological, social, vocational, educational, cultural and economic data in the process to attain the goals of evaluation.” (Dowd, 1993)



Knowledge Domains

- **Principles of Vocational Evaluation** (including philosophy, delivery models, behavioral observations, and ethical issues and standards of practice)
- **Standardized Assessment** (administration and interpretation of standardized tests and instruments including principles of measurement such as norms, validity, and reliability)
- **Occupational Information** (assessment of work environments, job demands, and labor market research and analysis as well as techniques to facilitate job accommodations and placement)
- **Implications of Disability** (medical, psychiatric, and psychosocial aspects of disabilities)
- **Professional Communication** (professional interactions, counseling and interviewing skills, and report development and preparation)

Why?

Individual

Background information
Interviews
Standardized tests
Curriculum based
assessment techniques
Performance samples
Behavioral observation
techniques
Situational Assessments

Congruence

Behavioral Observation
Assistive Technology
Situational Assessment
OJE
OJT
Vocational Profiling
Follow-up
Generalized Skill
Assessment

Environment

Observations
Interviews
Labor Market Inventory
Task Analysis
Training Analysis
Community
Resource Survey
Job Analysis
Community Living Analysis



What?

In 1992, the Interdisciplinary Council on Vocational Evaluation and Assessment formed to represent the collective voices of over twelve national associations committed to the importance of a comprehensive and holistic assessment process. The culmination of that organization resulted in a national position paper on vocational evaluation and assessment, underscoring the importance of the process. Both VECAP and the Commission on Certification of Work Adjustment and Vocational Evaluation Specialists (CCWAVES) included these principles in their organization's philosophies.

Smith, F., Lombard R., Neubert D., Leconte, P., Rothenbacher, C., & Sitlington, P. (1994, Fall). The position statement of the Interdisciplinary Council on Vocational Evaluation and Assessment Fall 1993. *The Journal for Vocational Special Needs Education*, 17 (1), 41-42.

https://vecap20.files.wordpress.com/2014/01/interdisciplinary_council.pdf

Guiding Principles

- **A variety of methods, tools and approaches should be used**
- **Information should be verified.**
- **Behavioral observation is essential evaluation and assessment may be an ongoing and developmental process**
- **Evaluation and assessment should be an integral part of larger service delivery systems**
- **Evaluation and assessment requires a collaborative approach**
- **Evaluation and assessment should be current, valid and relevant.**

A New Revision!

Let's dig deeper....

The Vocational Evaluation/ Assessment?

Vocational Evaluation: A comprehensive process that utilizes work real or simulated as the focal point for assessment and vocational exploration.



A process..

- **Evaluations are conducted at times when information can assist with future career planning, training opportunities, or work plans**
- **Referrals are made by other health practitioners, family, rehabilitation personnel, educators or others.**
- **Individuals generally spend a period of hours to days in an evaluation setting to explore a variety assessments , simulated work activities or participate in on-the-job evaluation experiences**



How does vocational evaluation/assessment help?

- **Makes the connection between school, work and career/job training**

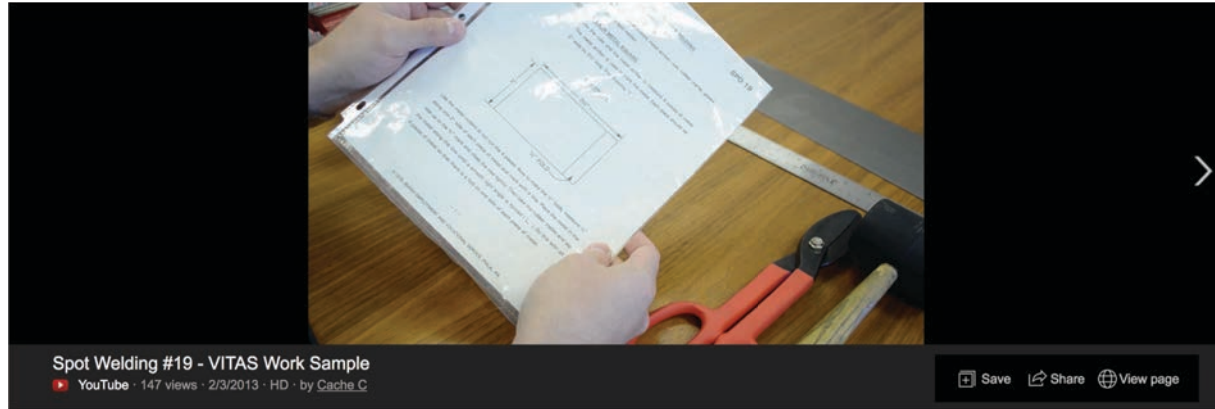


What do clients typically do?

- **Interest inventories**
- **Psychometric assessment**
- **Job/career exploration**
- **Temperament inventories**
- **Work sampling**
- **Ongoing shared feedback**
- **Development of a vocational/career profile**



VITAS: Spot Welding

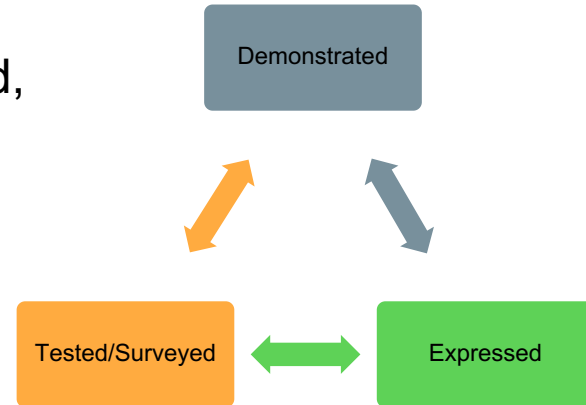


<https://youtu.be/yG6QKP3DR0I>

Determine Potential Career Pathways

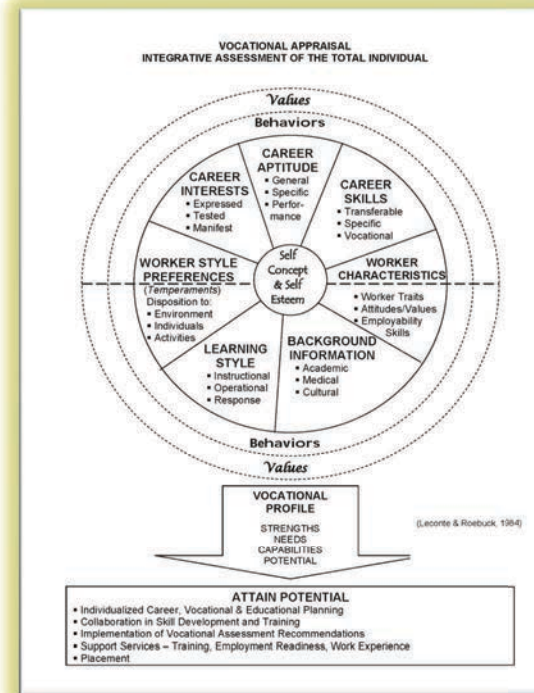
Use O*Net www.onetonline.org to delineate job/duties

Triangulate data re: student career of interest (expressed, tested, manifested) using all sources of information (individual interview, team meeting, parent interview, assessment results, career exploration).




The Essential Framework: Dimensions

- The individual and all of his or her attributes that are vocationally relevant
- The individual's past, present and future ecologies
- The congruence (or discrepancy) between the individual and his or her ecologies



A Final Report and Vocational Appraisal – “Capture the Person”

- Answer the referral questions
- Incorporate the data you have collected
- Think “holistically”
- Know your client/consumer/student – “meet them where they are”
- Do your research
- Know your local resources
- Be specific



CAREER ASSESSMENT REPORT

Name: Jane Doe	Age: 50
Assessment Dates: January 6 and 7, 2016	
Date Report emailed: faxed to Referral Source: January 28, 2016	
Referral Source: Mary Smith – Anywhere Division of Rehabilitation Services	
Assessment Type: Exploratory	
Referral Question: What job possibilities should Jane consider given her education, experience and current limitations due to disability?	

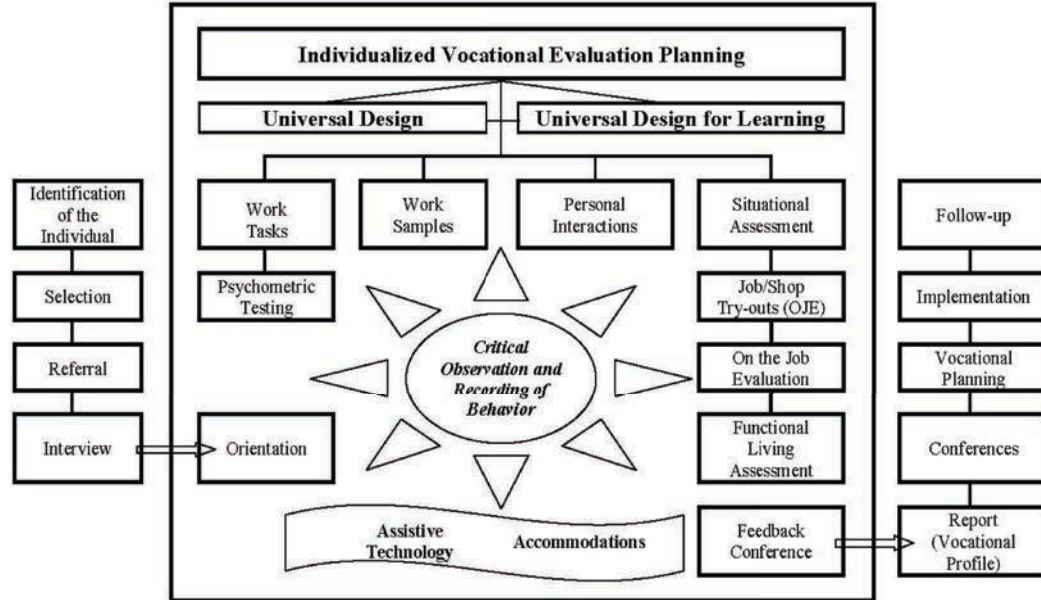
Summary
Jane Doe participated in a two-day Exploratory Career Assessment to determine her job possibilities taking into consideration her education, experience and current limitations due to her disability. Jane arrived on-time on both days of the assessment after driving herself.

Jane's dream job is to work with children 3 to 5 years of age. She also indicated that she would like to start out working part-time and then working towards full-time; where she can make a minimum of \$1,600/month ("I use to clear \$2,000/month at my previous job") and she is open to receiving short-term training of up to two years if necessary. Furthermore, later in the assessment, Jane began to express an additional interest of repairing computers because "I like computers, I have built computers before for myself and family and I like hardware". According to the result of a formal interest survey, Jane scored highest in the Office Operations and Social career clusters from which she chose **Billing Clerk, Computer Operator, Hospital Admitting Interviewer and Administrative Assistant** as the positions she would be most interested in pursuing. On an informal interest survey, Jane selected the following work sites and tasks that she would most like to perform for an entry-level position: working at a **doctor's office or any other type of office** – operating a computer, answering phones, copying, and filing, or at a **day care facility** – teaching and supervising children. The job values that were most important to Jane were to: have weekends off, commute 20 miles or less to work, receive regular raises, work where dedication or time on job is valued, work indoors only, have a well defined work role, not be exposed to dangerous or hazardous conditions and to not work in extremes of temperature (heat/cold). Furthermore, Jane was required to research all of her positions of interests including **Computer Repairer as an additional verbalized interest**, using the Occupational Outlook Handbook to explore the educational requirements, earnings, job outlook, and working conditions of each position. She then compared this information with her salary needs, educational desires and work preferences. At the conclusion of this career exploration activity, Jane chose **Computer Repairer** as her primary interest - "I like computers and I have taught myself how to repair a computer" and then a position in the **Childcare** field as her second choice.

P.O. Box 1147 - Pasadena, Maryland - phone & fax 410.360.1816 - vovalldate@gmail.com
Doe, J. 2

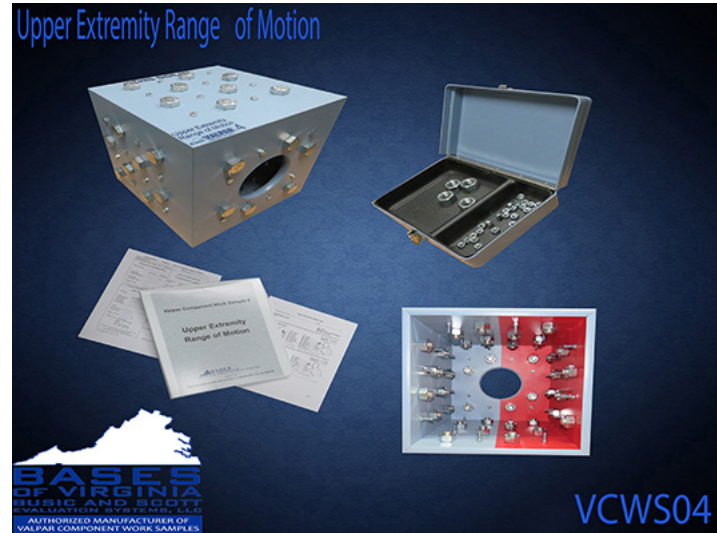
How?

Vocational Evaluation Process



Work Sampling

- Hands-On **Work Sampling**
 - Career Exploration Opportunities through Community-Based Assessments
 - On-the-Job Evaluations



Hands-On: Electrician Work Sample

Key Features

- A sample of an actual job or job task.
- Based on labor market comparisons.
- Incorporates actual tools and materials.
- Hands-on



Web Page Design

Assessment of Core Aptitudes

- Clerical Aptitude
- Numerical Aptitude
- Motor Coordination
- Eye-Hand Coordination



Electronics Assembly

Assessment of Interests

- A Match to Expressed and Tested Interests
- Prolonged Interest after Actual Exposure



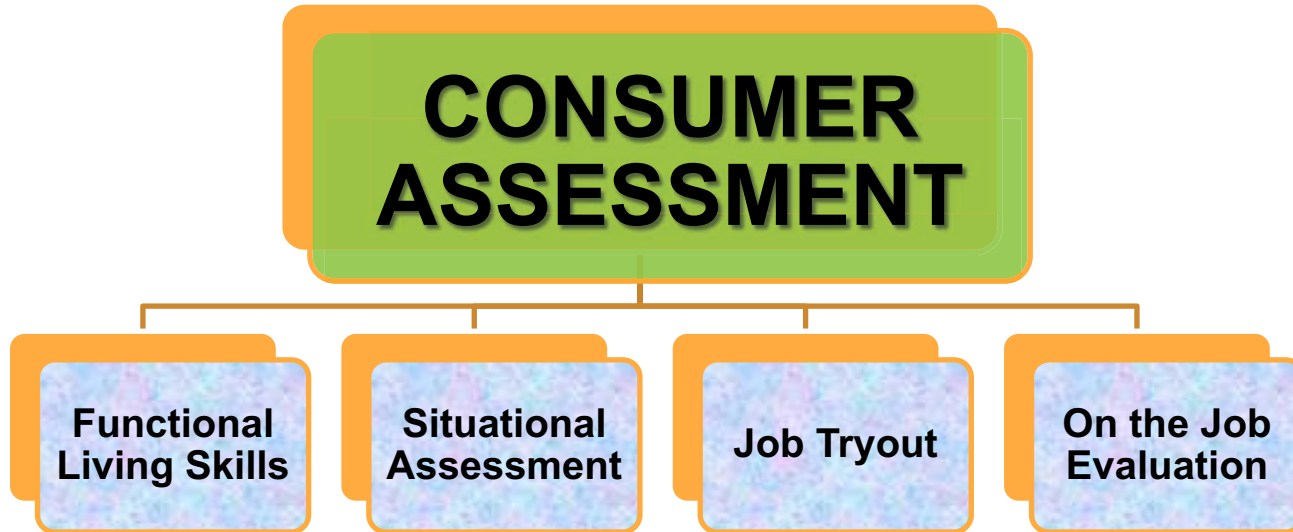
Job Analysis

The systematic study of an occupation in terms of: what the worker does; the methodology and techniques employed; the machines, tools, equipment and work aids used; the materials, products, subject matter or services which result; and the traits required of the worker.

Assessment Opportunities:

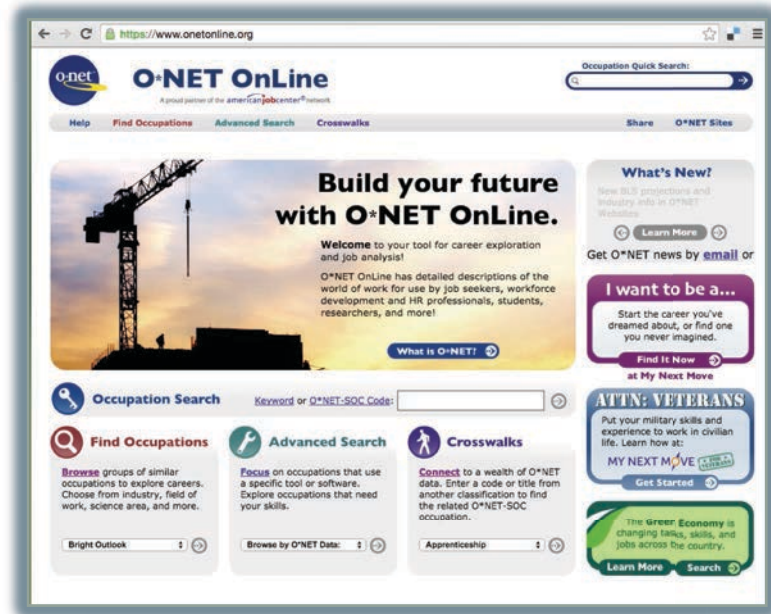
- ✓ Can this person's job be modified to accommodate his reduced walking and lifting tolerance?
- ✓ Is this person ready to return to work in his/her former occupation as a nursing assistant?
- ✓ What other jobs within this company match with this person's current skills abilities and needs?

Community-Based Assessment



Assessing within the demands of work

- Secretaries' Commission on Achieving Necessary Skills (www.dol.gov)
- 21st Century Skills (www.21stcenturyskills.org)
- Equipped for the Future (though for adult education, relevant: www.ncsall.net)
- Are They Really Ready to Work? (Workforce Readiness Institute, www.conferenceboard.org)



Worker Qualifications Profile

49-3091.00 - Bicycle Repairers

DPT – 639.681-010

O*NET OnLine

- <http://www.onetonline.org/link/summary/47-1011.00>

WORKER QUALIFICATIONS PROFILE

Worker Functions

Data	6
People	8
Things	6

G.E.D. (6 = high; 1 = low)

Reasoning	2
Language	1

Aptitudes (1 = high; 4 = low)

G	General Learning	4
S	Spatial Aptitude	4
P	Form Perception	4
K	Motor Coordination	2
F	Finger Dexterity	4
M	Manual Dexterity	2

Physical Demands:

P	Position	Variable
1	Strength	Light
8	Reaching	Constantly
10	Fingering	Constantly
11	Feeling	Frequently
15	Near Acuity	Constantly
17	Depth Perception	Frequently
18	Accommodation	Frequently

Temperaments

R	Repetitive
U	Under

A Hands-On Exploration

VCWS #4 – Upper Extremity Range of Motion



VCWS #5 – Clerical Comprehension and Aptitude



VCWS #15 – Electrical Circuitry & Print Reading



ADVANTAGES OF WORK SAMPLES

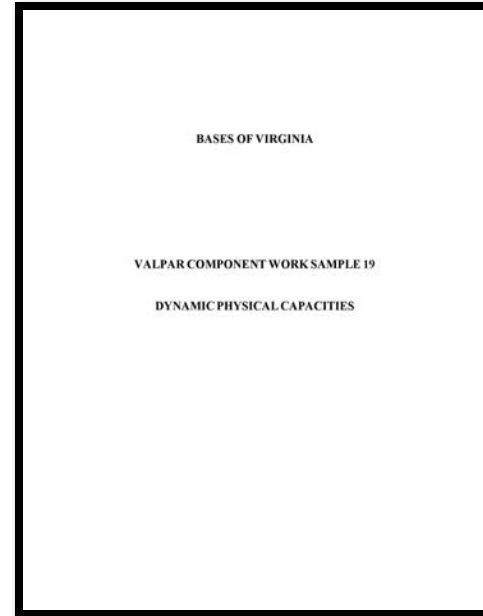
- Simulate real work
- Can be used with people with or without disabilities
- Work samples require skills similar to actual jobs
- Based on worker qualification profiles of over 12,000 jobs analyzed by the US Department of Labor



First steps: Initial Setup

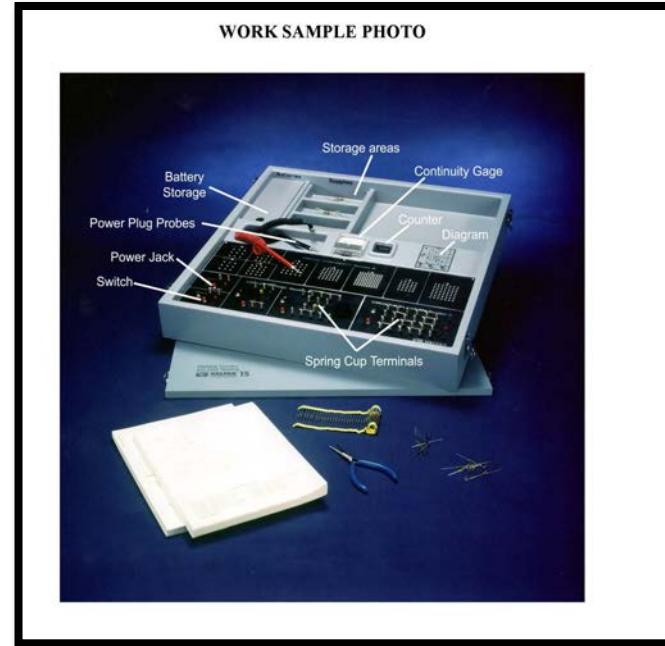
PREPARING TO ADMINISTER WORK SAMPLE

- Review the manual provided with the work sample
- Practice administering the work sample to someone else
- Take the work sample yourself



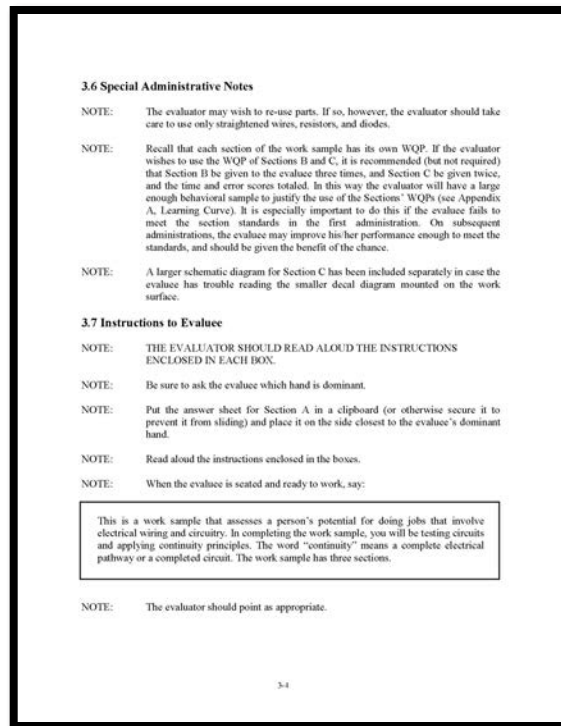
Set-Up

- Make sure work sample is on table and front edge is flush with table edge.
- Remove lids from storage compartments, and otherwise make sure that the evaluatee has clear access to parts and tools.
- Make sure there are a sufficient number of straight resistors; diodes, and pre-cut wires are in separate compartments and no parts are left on work sample from a prior administration.
- Make sure batteries are properly connected and functional.
- Test error counter



INSTRUCTIONS TO THE EVALUEE

- Instructions are standardized and should be read or carefully paraphrased so all key components are given to the client
- Each Work Sample is timed and has standardized criteria for errors
- Practice is included ensuring the client has a clear understanding of the task prior to beginning



(WQP) Worker Qualifications Profile

Used by the evaluator to assess if the client met the work sample requirements

To assess the WQP the work sample must be administered consecutively

A trial consists of two administrations of the work sample in one sitting

Important to select the correct table based on the # of trials given

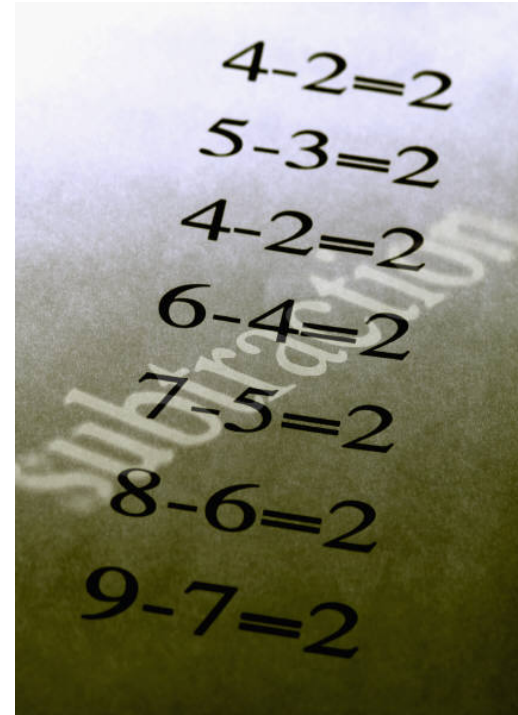
Table 2
Worker Qualifications Profile of VCWS 19

FACTOR	RATING
Worker Functions:	
Data	6
People	8
Things	7
G.E.D. (6 = high; 1 = low)	
Reasoning	2
Math	1
Language	2
Aptitudes (1 = high; 4 = low)	
G General Learning	4
V Verbal	4
N Numerical	4
S Spatial	4
P Form Perception	4
Q Clerical Perception	3
K Motor Coordination	3
F Finger Dexterity	4
M Manual Dexterity	3
Physical Demands:	
P Position	Variable
1 Strength	S - VH
2 Climbing	Occasionally
3 Balancing	Occasionally
4 Stooping	Occasionally
6 Crouching	Occasionally
8 Reaching	Constantly
9 Handling	Constantly
15 Near Acuity	Constantly
17 Depth Perception	Occasionally
18 Accommodation	Occasionally
Temperaments:	
R	Repetitive
U	Under

While most of the factors listed in Table 2 are fixed at specific levels, the Physical Demands factor 1 (Strength) ranges from "Sedentary" to "Very Heavy," and is assigned to the evaluate depending upon the level of strength he/she has demonstrated during the course of the work sample. (Refer to Appendix A for definitions of the factors of the WQP and the rating keys.)

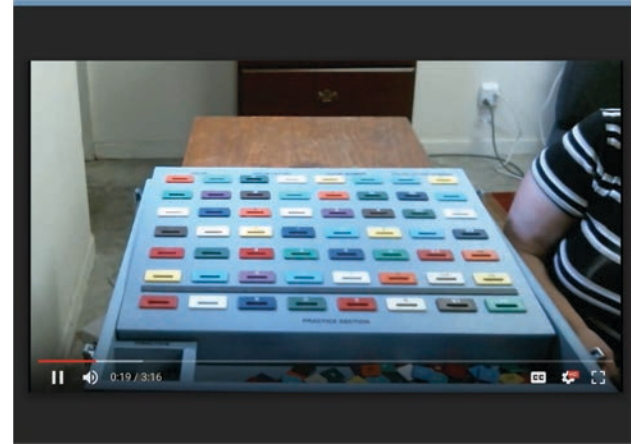
Critical Factors Assessed

- Reaching
- Clerical Perception
- Motor Coordination
- Finger Dexterity
- Manual Dexterity



Worker Characteristics Assessed

- Follows Instructions
- Maintains Physical Stamina
- Maintains Motivation
- Shows Self-Confidence
- Works Without Supervision



**Valpar Component Work Sample
#7 _Multi Level Sorting**

Behaviors Assessed

- **Vitality of work energy** – The degree to which the evaluatee applies effort to assigned work tasks.
- **Personal complaints** – The complaints and negative statements that appear to be excuses for poor performance.



Scoring

SPECIFIC BEHAVIORS		WORKER QUALIFICATIONS PROFILE	
Low	High		
1 2 3 4 5	Vitality of Work Energy	Worker Functions	
1 2 3 4 5	Frustration Tolerance	Data	6
1 2 3 4 5	Personal Complaints	People	8
		Things	6
		G.E.D. (6 = high; 1 = low)	
		Reasoning	2
		Language	1
		Aptitudes (1 = high; 4 = low)	
		G General Learning	4
		V Verbal Aptitude	4
		S Spatial Aptitudes	4
		P Form Perception	4
		K Motor Coordination	3
		F Finger Dexterity	4
		M Manual Dexterity	3
		C Color Discrimination	4
WORKER CHARACTERISTICS			
Low	High		
1 2 3 4 5	Follows Instructions	Physical Demands	
1 2 3 4 5	Maintains Physical Stamina	P Position	Standing
1 2 3 4 5	Maintains Motivation	1 Strength	Light
1 2 3 4 5	Communicates	8 Reaching	Constantly
1 2 3 4 5	Maintains Even Temperament	10 Fingering	Constantly
1 2 3 4 5	Shows Self-Confidence	11 Feeling	Frequently
		15 Near Acuity	Constantly
		17 Depth Perception	Frequently
		18 Accommodation	Frequently
		19 Color Vision	Occasionally
		Temperaments	
		R	Repetitive
		U	Under

DESCRIBE RATED BEHAVIORS AND WORKER CHARACTERISTICS

Upper Extremity Body Chart

Evaluate/Client Name _____ Date _____

DOMINANT HAND:
 R
 L

Color Code:
 Red for Pain or Pain/Fatigue
 Blue for Fatigue

Assembly - Right Hand
 Panel(s): _____

Assembly - Left Hand
 Panel(s): _____

Disassembly - Right Side
 Panel(s): _____

Disassembly - Left Side
 Panel(s): _____

COMMENTS:

Revised: 08-91 15S05

SCORE SHEET COMPONENTS

- Normative information
- MTM, accuracy, and WQP
- Rate of percent unadjusted for learning
- Specific behaviors
- Worker characteristics
 - Worker qualification profile →
- Notations for behaviors and worker characteristics

Table 2
Worker Qualifications Profile of VCWS 19

FACTOR	RATING
Worker Functions:	
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S Spatial	4
P Form Perception	4
Q Clerical Perception	3
K Motor Coordination	3
F Finger Dexterity	4
M Manual Dexterity	3
Physical Demands:	
P Position	Variable
1 Strength	S - VII
2 Climbing	Occasionally
3 Balancing	Occasionally
4 Stepping	Occasionally
6 Crouching	Occasionally
8 Reaching	Constantly
9 Handling	Constantly
15 Near Acuity	Constantly
17 Depth Perception	Occasionally
18 Accommodation	Occasionally
Temperaments:	
R	Repetitive
U	Under

While most of the factors listed in Table 2 are fixed at specific levels, the Physical Demands factor 1 (Strength) ranges from "Subsidiary" to "Very Heavy," and is assigned to the evidence depending upon the level of strength he/she has demonstrated during the course of the work sample. (Refer to Appendix A for definitions of the factors of the WQP and the rating keys.)

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1. ***Consider:*** What knowledge is being assessed?

2. ***Consider:*** What skills are being assessed?

Let's Regroup

- What did we find?
 - Transferrable knowledge?
 - Transferrable skills?
 - Areas needing supports?
 - Information for future opportunities?



The Importance of Vocational Assessment and Evaluation

<https://youtu.be/Dm4MH106IGc>

Vocational Evaluation and Career Assessment



- Systematic appraisal process to identify an individual's vocational potential
- Measure, observe, and document an individual's interests, values, temperaments, work-related behaviors, aptitudes, skills, physical capacities, learning style and training needs
- Assessments should be **consumer centered** (humanistic and holistic), and designed for maximum accessibility and validity

For more information...

- **The Vocational Evaluation and Career Assessment Professionals Association, <http://www.vecap.org>**
- **CAST, Inc., <http://www.cast.org>**
- **Education for Life and Work, <https://www.nap.edu/catalog/13398/education-for-life-and-work-developing-transferable-knowledge-and-skills>**
- **Recognizing Differences, LLC – <http://www.recognizingdifferences.com>**