

# WORKSHOP D-7

# Motivation to Learn: Utilizing Preference and Learning Style Assessment

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Track: Educators/Clinicians

#### **ABSTRACT:**

General and special education teachers constantly work together to prepare meaningful lessons for all students. Best practices encourage reinforcement for motivation for students for students with special needs. However, motivation to learn does not guarantee the maximization of learning if student learning styles are not taken into account. This presentation links scientifically validated preference assessments and learning style assessments to find the best fit for students. The presenters will then explore how to translate the results of these assessment into the classroom with discussion surrounding using this procedure with different populations in different environments.

#### **OBJECTIVES:**

- Participants will be able to understand the types of preference and learning style assessments.
- 2. Participants will be able to understand how these assessments link to best practices.
- 3. Participants will be able to translate assessment results to instructional opportunities.
- 4. Participants will be able to explore the further implications of utilizing this procedure in different classrooms.

#### Jennifer Gonda, MSEd

received her graduate degree in special education in autism and related disabilities at Youngstown State University and completed her coursework toward becoming a BCBA at Penn State University. She is currently finishing her supervised fieldwork with Dr. Gongola out of YSU. Her bachelor's degree was completed at New York University specializing in educational policy. She currently works in a 13-18 self-contained math and science classroom at Youngstown Summit Academy Secondary as part of a program designed to maximize the academic and life skill success for students with autism. Her interests include functional communication training for older students, social skills for teenagers and utilizing ABA strategies to promote learning and successful classroom behavior.

#### Natasha Walski, BSEd

is a general education teacher working with students with autism for six years in a school setting. She holds her teacher license in math and science for grade 4-9 with a reading endorsement completed at Youngstown State University. Within her classroom, she utilizes positive behavior support systems in conjunction with humor to academically stimulate students. She currently works in a 13-18 self-contained math and science classroom at Youngstown Summit Academy Secondary as part of a program to maximize the academic and life skill progress for students with autism. Her research interests include incorporating the Ohio Alternate Learning Content Standards and Common Core standards to differentiate instruction for students.

#### **Carrie Fiol, BA**

is a recent graduate of Youngstown State University and is an Intervention Specialist certified for grades K-12. Carrie is continuing her education at Youngstown State to receive her Master's in autism and related disabilities. She recently taught at Robert Bycroft in Lisbon in a classroom with students who have a variety of disabilities, as well as challenging behaviors. Carrie also taught at Camp Sunshine of Aurora for students with severe disabilities. She is currently working under Dr. Gongola as her Graduate Assistant and continues to work as an ABA. Carrie started

#### MOTIVATION TO LEARN: UTILIZING PREFERENCE AND LEARNING STYLE ASSESSMENT

Milestones Conference Cleveland, Ohio

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## Motivation to Learn

## Common challenges when working with the student with autism...

- "If I know the answer, why do I have to write it down?"
- "I'm done"
- "I already did"
- "I'm too lazy to do that"
- "I'd rather starve"
- "Make someone else do it"
- "If I do it, then I'm going to burn it"
- "I don't do that"
- "I want to be alone now"
- Off topic conversations

## **Motivation to Learn**

 Learning style instruction has shown positive affects in achievement, attitudes, and behaviors for students with special needs in inclusion setting (Fine, 2003).

When individuals are task involved, they see more effort as leading to more mastery and higher ability. That is, tasks should be most attractive where one's highest likely level of competence might be demonstrated (Nicholls, 1984).

## **Motivation to Learn**

"Freedom is the right to choose: the right to create for oneself the alternatives of choice. Without the possibility of choice, and the exercise of choice, a man is not a man but a member, an instrument, a thing."- Thomas Jefferson



## Outline

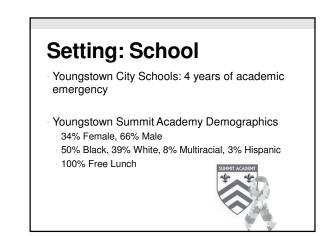
- Why look at preference and learning style assessments together?
- Setting
- Student profiles
- Types of preference and learning style assessments
- How does this link to best practices?
- Procedures for this intervention
- Outcomes
- How to translate assessment results to instructional opportunities?
- Further implications
- References

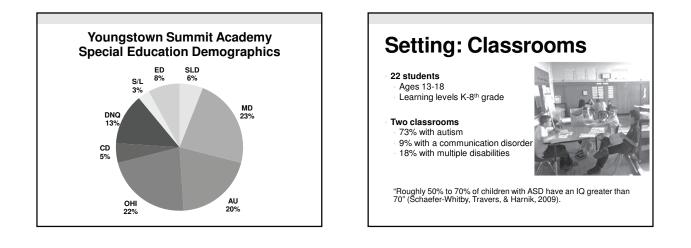
## Why Look at Preference and Learning Style Assessments Together?

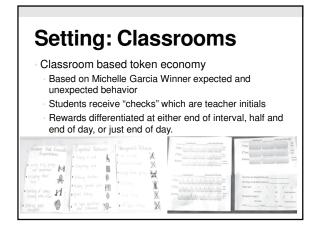
- Choice as a motivator
- "Once the teacher can understand the disability and the preferred learning styles of the student, they can better adapt to that student" (Sze, 2009).
- Cannot only use questionnaires (Snider, 1990).

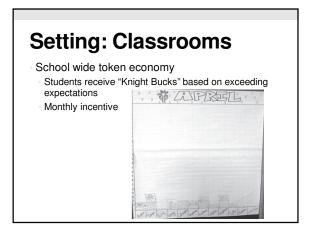
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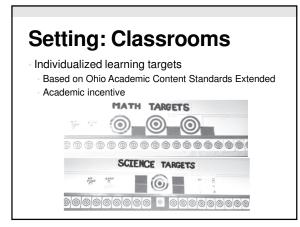
NST	Style RUCTIONAL PLANNING	Ineffective	Developing	Proficient		Accomplished
INSTRUCTIONAL PLANNING	FOCUS FOR LEARNING (Standard 4: Instruction) Sources of Evidence: Pre-Conference	The teacher down nor have a clear focus for student learning or the objective is too general to guide lesson planning or the objective is inappropriate for the students.	Developing The teacher Geiry communicates a focus for student learning that is appropriate for students.	The teacher develops a measurable goal for student learning that aligns with the Ohio standards. The teacher can explain the importance of the goal and its appropriateness for students.		Accompliance Accompliance the seader establishes shallenging an measurable goal(s) for student learning that aligns with the Dho standards. The goal(s) reflect a range of student learner needs. Teacher can explain how the goal(s) for into the broader unit and course goals content learning and skills.
	ASSESSMENT DATA (Standard 3: Assessment) Sources of Evidence: Pre-Conference	The teacher plans instruction without analyzing student learning data.	The teacher demonstrates an understrating that sessiment is a means of evaluating that sessiment is a means of evaluating and supporting student learning. There is evidence of more than one measure of student performance. The teacher may, however, have difficulty analyzing data to effectively inform instructional advance ad delivery.	The teacher can explain the ch- uses, and limitations (advanta) disadvantages) of various dage formative, and summative asist Artificats (instructional plans, in etc.) adocument that the teach- variety of formal and informali techniques to obten valence knowledge and skills.	The texther purposely plans assessment and differentiates assessment choices to match the full range of student needs, abilities, and learning styles. Evidence indicates that student learning needs were accurately identified and thus the teacher uses assessment data to identify student strengths and areas for student growth.	

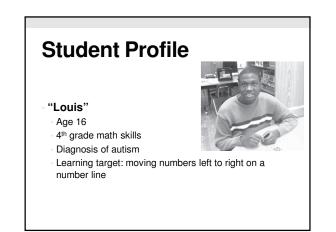


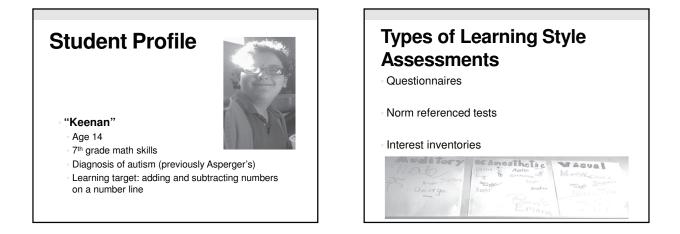


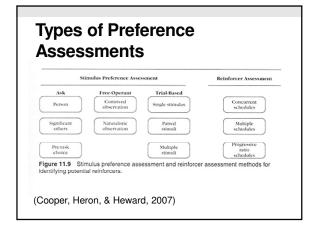


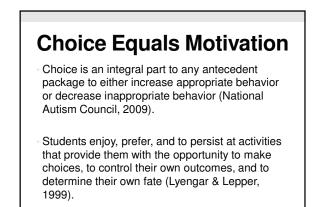


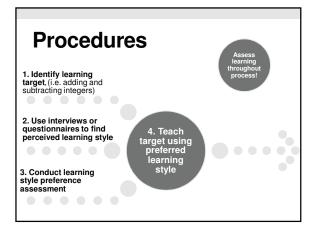












## Step 1

#### Determine measurable target

- Ohio Academic Content Standards Extended
- Functional life skill
- ABBLS or VB-MAPP target
- IEP objective
- Social skills goal

## Step 2

- Barsch Learning Style Inventory\* VAK
- Online questionnaires

#### Interviews

- "Do you like listening, using your hands, reading notes or something on the smartboard?"
- "Would you rather learn from the computer, read a book, or listen to your teacher talk"
- "What do you like to do in your free time?"
- "Do you like to listen to directions or read directions?"
- "What was the best lesson you ever had?"

## **Step 2: Student Profiles**

#### "Louis"

- 1. "I like to listen"
- 2. "I pick computer"
- 3. "relax, tv, play, video games, sometimes read."
- 4. "one at a time directions out loud"
- 5. "rotation, translation, reflection geometry worksheet"

#### "Keenan"

- 1. "Listening"
- 2. "Computer-reading on the computer"
- · 3. "use the computer"
- 4. "directions written down"
- 5. "making a volcano"

## Step 3: Learning Style Preference Assessment

Have all items/supplies within reach of the student

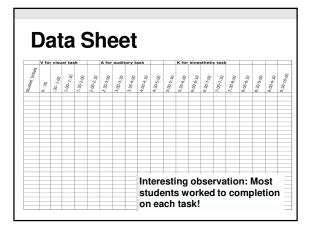
- Use a ten minute interval
- Track only appropriate use of the material
   May require explanation (Roane, Vollmer, Ringdahl, & Marcus, 1998)

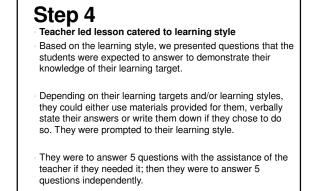
## Step 3

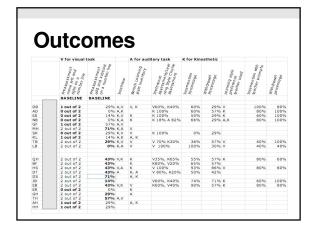
## Free operant preference assessment directions example:

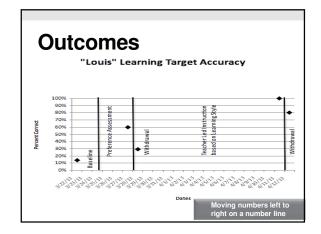
- "You will have 10 minutes to pick and work on these activities:
- You need to work for the whole 10 minutes
- You can work on one thing for the whole time or work on different things
- You do not have to be finished in 10 minutes, you just need to be doing an activity the whole time
- I will be here to ask for help, but this is for you to choose which way you want to learn"

Video of Step 3: "Louis" Video Video of Step 3: "Keenan"

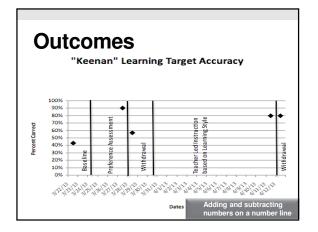








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# How to Translate Assessment Results to Instructional Opportunities? • Center based learning where students have choice to pick activity for their learning style • Starting class everyday with a different mini lesson that appeals to the different learning styles • Planning activities that utilize all 3 learning styles • Grouping students according to learning style • Teaching the different learning styles to the students and make them become aware of their learning styles to they can choose

activities where they will be most successful

## **Further Implications**

Students with autism being served in general education setting need teachers to understand their academic profile (Schaefer-Whitby, Travers, & Harnik, 2009).

Clear differences between Asperger's learning styles and High Functioning Autism learning styles, but will new DSM complicate differentiation? (Rubin, 2007).

Meaningful instructional grouping (Fine, 2003).

## **Thoughts and Questions**

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