



2014
National Autism Conference
 August 4, 2014
 Tracee Parker

The A-B-C's Of ADLs

Funny Thing Happened...

- Solidified What It Takes To Manage The Rigorous Course Of Daily Life (*And Not Kill Someone*)
- **Passions:** Related to ADLs
 - Notion of Privacy & All It's Permutations
 - Impact on Socialization & Social/Sexual Development
 - Vulnerability To Victimization (including Bullying)
 - Age-Typicality & Trajectory
- Not So Much...
 - Primary Barriers Due To Physical or Motor Impairments
 - **IMPI!** But Warrants OT Consult, Collaboration, Services
 - ***Refer:** Amy McGinnis' Presentation (Wed, 9-12)

Activities Of Daily Living (ADLs)

- **Defined:** Routine Tasks & Activities People Do In Every Day Life At Home & In The Community
- **Historical Roots:** Rehabilitation (Medical & Physical) & Occupational Therapy
 - **Primary Focus:** Aging, Chronic Illness & Physical Disability
 - **ADLs Dysfunctions:** *Activity Limitations That Restrict Participation*
 - **Goal of TX:** *Overcome Activity Limitations, Increase Function, Participation & Independence*
 - **TX Framework (OT):** Create/Promote, Prevent/Maintain, *Modify/Adapt & Establish/Restore
 - *Most Commonly Used In Practice (James, 2008)

ADLs History...Conceptual Framework

- **(1969) Lawton & Brody** Conceptualized Function as:
- A Hierarchy Of Domains By Degree Of Complexity
 - Self Maintain Life → Physical → Instrumental → Social Behavior
- First to Identify 2 Levels Of ADLs
 - **(BADLs)** Basic Activities of Daily Living:
 - Functional Mobility (Ambulation) & Personal Self-Care
 - **(IADLs)** Instrumental Activities of Daily Living:
 - Domestic & Community Activities
- **ASD Diagnostic Criteria:** Includes Social, Communication, Play & Behavior Patterns (Restricted, Stereotyped, etc)
 - Deficits in ADLs: Not An Inherent Characteristic Of Autism...Uhm?

***Loss Of Independence Manifests 1st (Aging Or Illness)*

Relating Conceptual Framework To ASD

PARAMETERS	Kids With ASD	Elderly, Chronic Illness
Developmental Course	Failure To Gain Skills	Loss Of Ability, Function, Skills
Progression	BADLs → IADLs	IADLs → BADLs
Social Development	HIGHLY Relevant	Less So Vs Sustaining Life
PRIMARY OBJECTIVE	Build/Develop New Skills	Restore Prior Function
SOURCE OF CHALLENGES	Varied Range Of Deficits	Physical /Health Limitations
INTERVENTION	TEACH, TEACH, TEACH!!	Modify, Adapt, Accommodate
GOALS: Long Vs Short Term	PREPARE FOR FUTURE	Maximize Comfort, Easy Access
OUTCOME	YET TO BE DETERMINED	INEVITABLE (Relatively)

Taxonomy: BADLs For ASD

- **Functional Mobility**
 - Walk From Place To Place, Sustain Focus, Stay With Others, Wait, etc
- **Personal Care: Hygiene & Grooming**
 - Intimate: Bath, Dress & Undress, Toilet, Menstruation, etc.
*Related: Privacy, Habits, etc.
 - Non-Intimate: Oral Hygiene, Hair Care, Shaving, *Dressing
*Limited to: Outer Garments & Fasteners (buttons, zippers, snaps)
- **Eating Skills**
 - Arrange: Open/Close, Unpack/Repack, Set Up/Clean up, etc
 - Execute: Manage Utensils, Chew, Swallow, Etc.
 - *Related: Tolerance, Pacing, Fluency, Cleanliness, Manners, etc.
- **WHY These** (Distinctions)...?

Taxonomy: IADLs For ASD

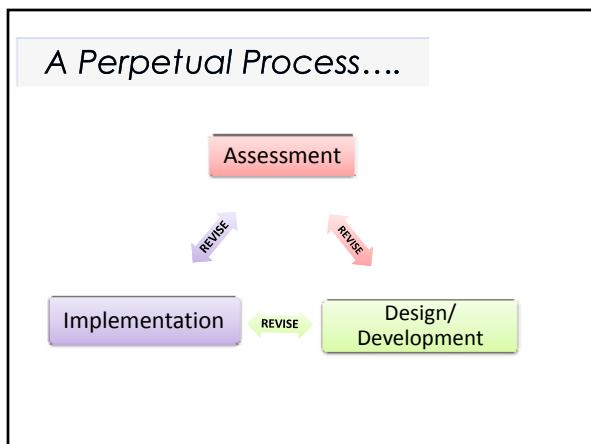
- **Residence/Domestic**
 - Personal Space: Maintain, Pick Up & Store, Make Bed, Decor,
 - Meal Prep: Snacks, Microwave, Gather & Put Away Items, Cooking
 - Household: Trash, Pet Care, Set & Clear Table, Dishes, Laundry
 - Daily Routines: Morning, Arrival, Evening, Bedtime
- **Community & School**
 - Safe Mobility: Vehicle Transport, In Parking Lots, Sidewalks & Streets
 - Navigating Venues: Order Food, Shop, Purchase, Lines
 - Interface with Community Members
- **Traverse Settings: Safety, Health, Technology**
 - **Technology**: Communication & Information Access
 - Computer, Internet, Personal Devices (iPhones, MP3 Players, etc)
- **Why These...**

Functional Assessment: *Commandments*

- **Purpose**: Placement, Planning, Tracking, Etc
- **Balance**: Maladaptive & Adaptive (Strengths & Deficits)
- **Motivation**: Interests, Preferences, *Passions*
- **Skill Functionality**: Actual Deficit Or Willingness?
- **Developmental**: Individual & Comparative
- **Impact**: Social (Reputation) & Safety (Self & Others)
- **Timeframe**: Immediate & Projected
- **Validity**: Varied Sources, Measures, Contexts
- **Methods**: Indirect (Tier 1) & Direct (Tier 2)
- **Scope/Direction**: Broader To More Fine Tuned Focus

Adaptive Behavior Measures

- **Widely Used Assessment Devices**
 - Standardized, Norm-Referenced Measure Of Adaptive Functioning
 - Scores: Standard, Quotient/Composite & Percentile or Age-Equivalent
 - For Overall Functioning & Distinct Domains or Sub-Scales
- **Benefits**
 - Comprehensive: Evaluates A Wide Range of Skills
 - Comparative: Strengths & Weaknesses Of Individual & Relative to Typical Peers
 - Efficient: Procedures Less Labor Intensive vs Other Methods (e.g., FBAs)
- **Limitations**
 - Subjective: Informants' Impressions May Reflect Bias
 - General: Not Sufficient To Identify Specific Break Down Or Source
- **PROCESS**: Completing any formal Assessment is Just The Start...



Video: *R & B Gals*

- *Came For the Food... Stayed For the Money*
 - To Assess Generalization of Eating Skills
 - Request To Staff: *No Intervention* (Try your best)
- **Assessment Revealed....**
 - Eating Skills, *LOVELY* (We'll See Later)
 - **Purchasing**: *Keystone Cops*...Eye-Opening
 - Type & Degree of Deficits
 - Extent of Guidance & Prompts Staff Had Been Providing
 - **Point Is... *Don't Assume, ASSESS!!***

Global Considerations



Global, Meaning Big Picture

- Applies Across All/Most Skill Domains (not ADLs specific) And Facets of Treatment
 - Design → Implement → Evaluate → Revise, etc
- Assessment → Design, Can't do it all!
 - How Do You Proceed? Start At The End....



What's Your Destination?

- **Ask Yourself:**
 - *Where Should This Kid Be In 10 Years?*
 - *What Proficiencies Are **Most** Critical Long Term?*
 - *What Competencies Are Essential To Get There?*



Plotting The Course

- **Considerations:** To Prioritize & Integrate Objectives
- Holistic View Of The Student
- Big Picture: Immediate → Future (Quality Of Life)
- Progression: Developmental & Skills (Acquisition)
- Significance: Safety, Legal & Social Ramifications



Meet JOEY (10 Years Old)

- Spends 90% Of Day On Cognitive, Academic & Language Skills, YET He...
- Doesn't: Eat w/o Making A Mess, Attend w/o Explicit Directives Or Wipe His Butt w/o Help From His Aide
- Does Best: Under Highly Structured Conditions, And Promise To Earn *Power Rangers* Video
- Is Easily Agitated: By Unpredictable Events (Change In Routine, Staff, New Activities, etc)
- Often Distracted: By Others Talking, Or Item Of Interest (Wanders From Group) w/o Constant Reminders...

What's Wrong with this picture??



Cultivating Dependency

- Culture Of Disability
 - *Impact Of A Child's Disability On Their Quality Of Life Very Much Depends On How Others Treat Them.*
*Mark Bellis, Lead Researcher WHO (2012)
- Common Inadvertent Missteps
 - Regard: Eternally Young, Less Capable
 - Practices: Ignore, Excuse, Enable, Avoid
 - Approach: Over-Rely on External Control & Direction
- Our Vision & Efforts Are Out of Sync
 - Aspire to Quality of Life Long Term
 - Focus On Less Meaningful Pursuits Short Term



Weather Forecasting

- **Prediction**
 - Emergence: Adaptive Behavior Needs & Deficits
 - Trajectory: 3→ 8, 5→10, 10→20, etc
 - Inverse Relationship: Age & Tolerance
 - Reality: Time Is NOT On Our Side
 - Compound Exponentially: Discrepancy Norms & Abilities
- **Pre-Emption:** Tips & Themes
 - Building Foundations → Maximum Gain
 - Course Corrections → Avert Disaster Later
 - Typical Norms → Guide Expectations



Basic Self Care: Skills, Routines & Habits

- **Dressing, Bathing, Toileting**
 - Disrobe & Re-dress: Within Designated Areas
 - Privacy: Closing The Door, Knocking
- **Potty** Proficiency & Habits
 - Wiping: 3 VS 10 Years
 - Degree of Undress: *Don't Be That Guy*
 - Pants to Ankles? Naked To Poop?



Social Awareness: *Stay AHEAD Of the Jones'*

- **Basic Etiquette:** Eating Skills & Manners
 - *Food Stealing, Mealtime Vs Grazing, Tolerance & Flexibility*
 - Expectations: Remain Seated, Regulate Pace, Neatness
- **Personal Space & Boundaries**
 - Grabbing, Climbing, Touching
 - Functional Concepts: Private ↔ Public (Setting, Behavior, Info)
- **Prepare: Sooner Vs Later...** What's coming
 - Public Urinals: Which One? Looking? Chatting?
 - [Menstruation](#)



Self-Sufficiency

- **Personal Autonomy**
 - Decision Making: Simple Choices
 - Responsibility: *Keep Track of Your Own...Stuff*
- **"Community" Safety** (Starts at Home & School)
 - Stay With Me, The Group, In Your Area
 - Transitions, Checking In, Notification
 - "Set Ups": Losing & Seeking Assistance
 - Internet: Safe Navigation Guidelines



Self Regulation...

- Daily, Golden Teaching Opportunities Are Predicated on The Student's Availability To Learn
- **Goal Of Self Regulation Is Independence**
 - NOT Us Controlling, Managing Interfering Behavior
 - Means Devoting Attention & Time To Systematically Build Requisite Skills For Learning
 - Otherwise Attempts To Teach Anything are Doomed

How Can We Possibly Be Effective...?



We Must



To Reach



IF We Build It...They Will Learn



Learning How to Learn

- Attention: Visual, Auditory & Combined
 - Orient, Sustain, Shift, Filter, etc.
- Responsiveness: Keenness & 1st Time
- Regulate Self Stim: Control Your Body
- Hands: Have a *Home* & Materials Management
- Brands Of *Waiting*:
 - Expected: Next Instruction, Teacher Busy, etc.
 - Directed: *Gotta Powder My Nose*
 - Request: Immediate & Future



Emotional Regulation

- Triggers: Identify & Categorize
 - Consider Respondent Components
 - Shape "Calm" Behavior: Label & Reinforce
- Emotion Meter: Identify Calm, Stress & Excitement
- Strategies & Techniques: For Coping Skills
 - Systematic Exposure: Tolerance & Inoculation
 - Relaxation, Imagery, Cog Lists
 - *Local Breaks*: Protocol & Permutations
 - Stop, Regroup & Resume (Not Avoid)



Motivation & Momentum

- Self Regulating Is HARD Work!
- To Be Available, Our Kids Need to Give A #%&\$!!
- Means We Need to Make It Worth Their While...

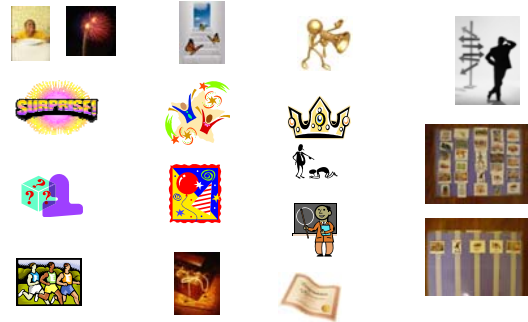


Incentives: Key Elements

- Reinforcement: *Care & Feeding*
 - Powerful: Meaningful, FUN, Unpredictable, "Fresh"
 - Cool: Age-Typical, Social, Engaging VS Solitary, Self-Stimulatory
- Guidelines
 - Assess/Identify: Existing Interests & Preferences
 - Be Creative: Develop New & Expand Range
 - Access: Restricted, Time Limited & Practical
- Evolve: Artificial → Naturalistic
 - Rationale Building → Develop Intrinsic Motivation
 - Natural Consequences: (Ex) *Lost Your Money, Miss Out*

Cool/Powerful Incentives (Examples)

Anticipation/Novel Events Opportunities Status/Control Range OF Choices




Incentives: Listed (At Participant Request)

- **Novelty:** Pertains To Engaging Delivery
 - Anticipation, Excitement, Surprises, A Mystery, Competition
- **Opportunities:** Time Limited Access
 - Freedom, FUN Group Activity, Party Area, Treasure Chest
- **Status/Control:**
 - Announcer, *King For A Day* (Minutes), Be The Teacher/Boss, Public Recognition (e.g., *Best Effort Award*)
- **Range Of Choices:** Quantity & Quality Is Contingent
 - From Master Menu: Available Options Rotated


Contingencies: Key Elements

- **Target & Contingency**
 - Clear Definition & Criteria (Expectation)
 - Reflected In Schedule: Timing of Delivery & Feedback
- **Examples Of Schedules**
 - Frequency: Each Instance → Every X Times, etc.
 - Duration: X Seconds → X Minutes, etc.
 - Amount: Complete 1 Step → All Steps
- **Over Time: Artificial → Naturalistic, Real World**
 - Schedules: Continuous → Avoidance
 - Earning Term: Brief → Extended


Target/Contingencies



Hit Target/Momentary











Time-Based: Speed Or Sustain



Completion

Schedules Over Time








Incentive Systems

- **Design**
 - Individualized: Student Interests, Ability
 - Differential: Delivery & Cash In
 - Compatible: Context, Delivery, Targets
 - *Ex: Student In Group (Words/Symbols)
- **Systematic:** Implementation & Maintenance
 - **#1 Mistake:** Failing to Teach & Expect It Will Work
 - **Initial Phases** (Be Patient!)
 - Hook Em In!
 - Understand System & Expectation
 - Connect Target → Representation → Incentive
 - **#2 Mistake:** Setting It aside Until... There's A Problem

Key Elements (Examples)




Individual: Interest & Ability



Compatible & Differential

Listening	👂👂👂
Looking	👁️👁️👁️
Quiet Work	📖📖📖
Clear Names	👤👤👤







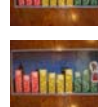




Systematic: (Ex) Backward Chaining

Incentive System: Options

- **Formats:** Tokens, Tickets, Meter, Points, etc
- **Simple → Complex**
 - Fill the Board... Progressive... Level Systems...
- **Other Alternatives:**
 - Contingencies: Pay Offs ONLY Or Pay Offs & Costs
 - Targets & System: Individual Or Group Based
 - *Examples: *Meter Or Red/Green System*

System Options Illustrated




Formats	Response Cost	Progressive & Long Term	Level System
			
			
			




With Progress → Systems Advance/Grow

- Simple → Complex
 - Format: Tokens → Points
 - Source of Evaluation: Teacher → Student
- Real World: (Ex) Monetary System
- All About Me → ALL About Us (Group-Wide)
 - Targets & Contingency: (Ex) *Friendship Daisies*
 - Earned or Not Through Team Effort


System Evolution → Natural, Real World

Individual → Group → All for 1 & 1 For ALL!

 →  → 

 →  → 

Other Momentum: Builders & Killers

- **Style:** "Come Here" Vs *Yo Dude, Come See Me...*
 - "Everybody..." Vs *Hey Guys, Check This out...*
- **Diminishing Field:** "Correct" → Removed (Done!)
- **Intro New Task:** Initial Objective?
 - MOST Often Is *Work*, Consider *FUN, Easy*, etc.
 - **WHY?** History of Respondent Conditioning
- **Joy Of Victory:** Competitive Race 

SYSTEMATIC APPROACH

INTERVENTION/IMPLEMENTATION

What Constitutes *SYSTEMATIC*?

Range of ABA

Old School ABA → **CONTEMPORARY** → FUZZY ABA

STRUCTURED → FLEXIBLE

RIGID → **LACKADAISICAL**

Rule-Governed Excessive Data Robotic Style "Cookbook" Curriculum 1:1 SOLELY	Nada-Governed No Data Explain/Re-Direct "Activities" Based Eclectic
---	---



Evidence-Based Interventions (Exs)

- ASD & ADLs
 - Visual Supports (Pictorial, Symbols, Words) To Depict:
 - Tasks, Activities, Routines, Schedules (e.g., TEACCH)
 - Video-Modeling
 - Behavioral Skills Training (e.g., Safety)
 - Cognitive Behavior Therapy
 - Self Management
- Support/Relate To ADLs
 - Token Economy Systems
 - Augmentative & Alternative Communication (AAC)
 - Picture Exchange Communication System (PECS)
 - More Recent: Mobile Apps (e.g., *Pro-Loquo*)



Other Methods: Highlighted

- Discrete Trial Teaching, *Cool Vs NOT Cool & Teaching Interactions*
 - Versatile Application: Alone Or Combined
 - Across A Range of Skills & Students (Abilities)
 - Formats: 1 To 1 → Large Group
 - *Lesser Known/Used
- **Discrete Trial Teaching**
 - (A) Instruction /Cue → (B) Response ← (C) Feedback (P) Prompt (As Needed)



COOL VS. NOT COOL

- **Discrimination Program**
 - Demonstration of "Cool" or "Not Cool"
 - In-Vivo Modeling or Role Play
 - Pictures, Video-Clips
 - Student Identification (Receptive) + Feedback
 - Student Explanation (Expressive) + Feedback
 - *Option: Role Play/Practice Necessary For Some Students
- **Advantages**
 - Fun: Watching Teachers Be Naughty & Role Play
 - Efficiency: In-Vivo Is Quick & Easy, No Material Prep!
 - Reveal/Convey Behavior Nuances W/O Lengthy Explanation
 - Generalization: Concept Readily Transfers

Current Study: How Low Do Cool Guys Go?

Warning: Explicit Content

COOL! 😊

NOT COOL 😞



TEACHING INTERACTIONS

- Identify/Label
- Rationale
- Demonstration/Description
- Practice (e.g., Role Play)
- Feedback

Systematic Procedures

Consider For a Moment...

- How We Know/Decide To...
 - Hit The Break Vs Gun It On **Yellow**?
 - Eat From Our Own Plate Vs Others'?
 - Undress After Vs Before The Door Is Closed?
 - Order Now Vs Wait Until Person Ahead is Done?
 - Continue Vs Stop Wiping After A BM?
- Or How Do...
 - Females Know: To Change Vs Not A Menstrual Pad?
 - Expert Divers Know: A Manta Vs a Mobula?
- Answers Lie In... Stimulus Control**

Stimulus Control: Key Points

- Defined:** Behavior Emitted By Particular Antecedents
- Acquired Thru Contingency
 - If A1 → B1 ← C+ Vs If A1 → B (Other) ← C-
- Understand/Explain Process of Learning
 - Prior: How Current Patterns Came About
 - Future: How To Teach New And/or Change Old/Past
- Basic Requirements To Establish Stimulus Control
 - B or Components Exist within Repertoire
 - A Discriminative Features Must Be Detectable
 - A → B Must be C+ (Reinforced Sufficiently)

Applying Stimulus Control: Variations

- Controlling Conditions: Consider Past & Ultimate Goal
- History Working Against Your Efforts?
 - (Ex) Stand Vs Sit: Toilet Seat (Years) Vs Urinal (Novel)
- Clarity: **A** Vs Prompt (to be faded)
 - (Ex) Person Ahead Exits Vs Your Turn To Order
- Broad Stimulus Control (Generalization)
 - (Ex) Waiting: Variety Of **A**'s
- Tight Stimulus Control
 - (Ex) Eating: From Your Plate ONLY
- Obvious/Salient → Subtle Distinctions
 - (Ex) Walking: Remain With 1 Person Vs A Group

Ex: Broad (Waiting)

A (S-D) Discriminative Stimulus	B (R) Response	C (S-R) Reinforcement Stimulus
<u>Antecedents</u> (Varied) Teacher Writes Notes Gathers Materials Talks To Someone Puts Item on Table	<u>Behavior</u> Student Remains Seated With Hands Down	<u>Consequence</u> (Feedback) Nice Waiting! Super Sitting! Love Those Hands!

Ex: Tight (Eating)

A	B	C
(A+) Own Plate	(B) Take Food	(C+) Yum! (Eat More)
(A-) All Other Plates (Teacher's, Peers', etc)	(B) Take Food	(C-) Not Yours! (Time Out From Food)

Ex: Obvious To Subtle

A	B	C
(A1) Pad (Much Blood)	(B1) Has Period	(C+) You're Right!
(A2) Pad (No Blood)	(B2) No Period	(C+) Right Again!
(A1, New) Pad (Little Blood)	(B1) Has Period	(C+) SO Smart!



(P) Prompt

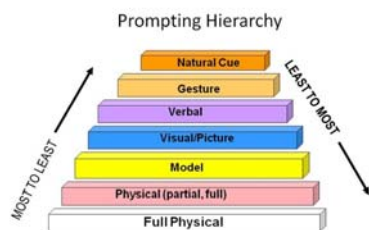
- **Defined:** Auxiliary Cue To Facilitate Correct Response
- Reasons/Benefits:
 - Helps Connect A → Response
 - Build Momentum, Rate Of Success
 - Reduce Frustration, Avoidance/Escape Behaviors
- Prompt Dimensions
 - Timeframe: Indirect Or Direct
 - Specific → Non-Specific (Vague): *Thinking Man Prompts*
 - Modality: Visual, Physical, Auditory
 - Within Vs Extra-Stimulus: Easier To Fade
 - Draws Attention To Relevant **A** Features



Prompt Strategies

- Guidelines To Determine:
 - When To Provide, Fade & Type of Prompt To Use
- Commonly Used Strategies For Students With ASD, Include:
 - NNP, CTD, PTD, SimP, MTL, LTM
- Schools Of Thought:
 - Error Correction OR Errorless
 - Assessment OR Protocol/Criterion Driven
 - **(Ex)** The *Prompt Hierarchy*...

Prompt Hierarchy



Flexible Prompt Fading (Lesser Known Option)

- Maintains ~80% Success Or Higher
- Incorporates Error Correction & Probe Trials
- Allows Teacher Discretion In Provision & Fading
 - Timing: Placement Of Prompt In Relation to **A**
 - Prior, Simultaneous, After (Immediate OR Brief Delay)
 - Manner: Intensity, Frequency, Position, Type, etc
- Decisions Based on In the Moment Assessment



Assessment: *To Prompt or Not To...*

- Is It Warranted & Why?
 - What Occurred Prior Trial?
 - What's Happening now (Between Trials)?
 - What Do You Predict Next trial?
- Students' Part
 - Degree of Effort?
 - Behavior, Attention?
 - Signs Of Frustration?
- Instructor's Part
 - Expectation/Presentation: Clear? Confusing?
 - Skill: Novelty, Difficulty?
 - Requiring Too Much: Break The Skill Down?



TASK ANALYSIS

- **Define:** Break Down A Task/Skill Into Component Parts Or Sub-skills
- **Utility:** Refine Objectives, Guide Curriculum & Measure Progress
- **Development (Initial Draft)**
 - Don't Reinvent the Wheel: Consult colleagues, Experts, Literature (e.g., Curriculum)
 - Record: Observe Models OR Perform Yourself
- Efficiency Vs Perfection: Devoted to Developing?
 - Reasonably *Complete* Draft, Must Be Probed With Student
 - Ex: Displays Preference Or Deficit You Didn't Account For



TASK ANALYSIS: Things to Think About...

- **Subcomponents:** Size, Number & Temporal Sequence Of Steps (Teaching & Performance)
- **Social & Developmental Validity/“Fit”:** Language, Materials, Contextual Arrangement, etc.
- **Individualize:** Current Repertoire, Strengths & *Preferences
- *Assuming Functional, Not Counterproductive (e.g., Rigidity)
- **Completeness:** All REQ'D Skills/Concepts?
 - Features Overlooked Or Needed?
 - Extensions/Variation: In Response Or Conditions?
- BUT Refinement Is Always Necessary



How Did We Become So Effortlessly Proficient...

- **Daily Activities**
 - Driving Home
 - Washing Our Hands
 - Preparing A Favorite Meal
 - Using An ATM
 - Purchasing Groceries
- Like Stimulus Control, **Behavioral Chaining Is:**
 - A Phenomena That Occurs Naturally
 - A Tactical Tool/Procedure For Teaching ...



Behavior Chaining

$A \rightarrow B \leftarrow C (A) \rightarrow B \leftarrow C (A) \rightarrow B \leftarrow C (A) \rightarrow$

- **Defined:** Specific Sequential Steps (**Links**) Performed As A Cohesive Unit (**Chain**) Is Reinforced.
- **How It Works:**
 - Each Link serves a Dual-Function...as an **A & C**
 - Completing 1 Step Serves As The **A** For The Next Step
 - (Ex) Vending Machine: Deposit Coins \rightarrow Select Item \rightarrow Item Drops \rightarrow Open Bin & Retrieve
 - More Complex Example....



CHAINING Application

EX: Analysis Of Stuffing

$A \rightarrow B \leftarrow C (A) \rightarrow B \leftarrow C (A) \rightarrow B \leftarrow C (A) \rightarrow$ Etc...

FOOD Pick Up Fork & Load Bite Chew & Load Bite Chew & Load Bite

What's the Problem?

EX: Chaining to Regulate Pace

$A \rightarrow B \leftarrow C (A) \rightarrow B \leftarrow C (A) \rightarrow B \leftarrow C (A) \rightarrow$ Etc...

FOOD Pick Up Fork & Load Bite Fork & Hand Down Chew/Swallow Mouth Empty Pick Up Fork & Load Bite



Chain Composition: Elements To Consider

- Impacts Rate & Accuracy: Learning & Performance
- Length: (Ex) Wash 1 Cup VS 20 Cups
- Difficulty/Effort: (Ex) Shore VS Boat Entry
- Complexity: Uniform VS Diverse Links
 - (Ex) Shredding VS Filing Documents
- Organization: Dependence & Sequence Of Links (Ex)
 - E-mail (Open \rightarrow Read \rightarrow Reply) VS Internet (Surfing For Info)
- Intrinsic Feedback/S-R+ (Within A Chain)
 - (EX) Shower Gifts: Opening VS Wrapping



Forging A Chain: Considerations

- Ideally Take Advantage of Already Established Links
- Variations: Direction & Starting Point
 - Serial: Forward, Backward
 - Simultaneous: Entire or Subsections Taught Concurrently
- Combine With Other Procedures
 - Reinforcement, Prompting, Shaping
- Chain Integrity: Building & Testing
 - (Exs) Interruption, distractions, “problems”, etc



GENERALIZATION

Reaching The Light At The End Of The Tunnel



Video: Eating (Generalization)

Eating Skills Program/Phases

Overall: Self Awareness

Previous: Pacing, Neatness (Face, Clothes, Area)

Next Phase: Above + Socializing

Final/Current: Apply In Natural Setting