

LPS Learning Exchange
For teachers. By teachers. With teachers. In service of students.

Functional Assessment-Based Intervention (FABI): An Effective Approach for Supporting Students with Intensive Behavior Intervention Needs

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Part 2: January 5, 2026

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Reflect & Connect: Ci3T

The diagram shows a green pyramid divided into three horizontal sections: Tier 1 (bottom), Tier 2 (middle), and Tier 3 (top). The bottom section is labeled 'Academic', 'Behavioral', and 'Social'. The middle section is labeled 'Validated Curricula'. The top section is labeled 'Positive Behavioral Interventions and Supports (PBIS) framework'. A blue circle highlights the top section (Tier 3). A vertical axis on the left is labeled 'Support Intensity' with 'High' at the top and 'Low' at the bottom. A horizontal axis at the base is labeled 'Domain' with 'Academic', 'Behavioral', and 'Social'. A legend on the left identifies 'Validated Core Resource' (blue), 'Evidence-Based' (green), and 'Research-Based' (orange).

Why is it important to identify where today's learning connects to our Ci3T framework?

What is your role in supporting students' academic, behavior and social needs?

Today, we are focused on Tier 3 to support students with intensive intervention needs across domains

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LPS Learning Exchange Series Progression

The diagram shows three circular nodes representing sessions: Session 1 (October 10, 2025), Session 2 (January 5, 2026), and Session 3 (April 17, 2026). Arrows indicate a progression from Session 1 to Session 2, and from Session 2 to Session 3. Each session node contains a list of topics and associated homework assignments.

Session 1: October 10, 2025

- FABI Overview
- Step 1: Identifying Students Who May Benefit from FABI

Homework: FABI Step 1, FABI Step 2*

Session 2: January 5, 2026

- Step 2: Conducting the Functional Assessment
- Step 3: Collecting Baseline Data

Homework: FABI Step 2, FABI Step 3

Session 3: April 17, 2026

- Step 4: Designing the Intervention
- Step 5: Testing the Intervention

Homework: FABI Step 4, FABI Step 5

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Knowledge, Application, Impact Points



Knowledge → Application → Impact

You can earn 2 x PD points for application and 3 x for impact!
We are happy to review your materials before you upload ☺



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Session 1 Outcomes

- Revise operational definitions to be clear, objective, and complete
- Conduct A-B-C data collection
- Sort data collected as part of FABI Step 2 into the Function Matrix
- Conduct duration recording, momentary time sampling, and partial-interval recording
- Select an aligned measurement system based on the target behavior and dimension of interest



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Agenda

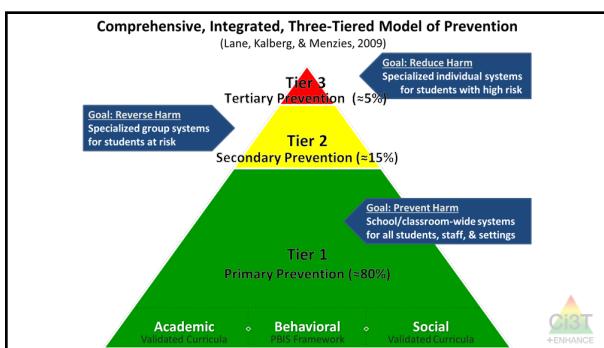
1. Welcome
2. Functional Assessment-Based Intervention (FABI)
3. FABI Step 2: Conducting the Functional Assessment
 1. Interviews and Operationally Defining Behavior
 2. ABC Data
 3. Function Matrix
4. FABI Step 3: Collecting Baseline Data
 1. Selecting a Measurement System
 2. Baseline Data Collection Procedures
5. Putting it All Together
6. Wrapping Up and Moving Forward



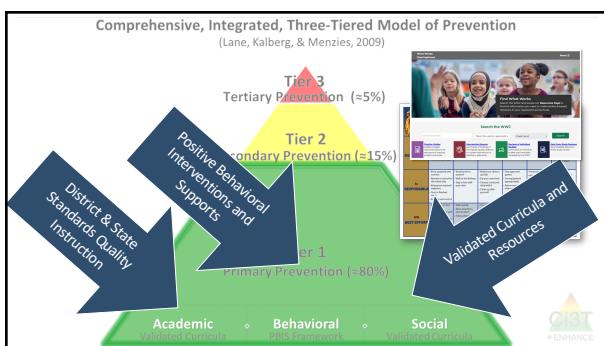
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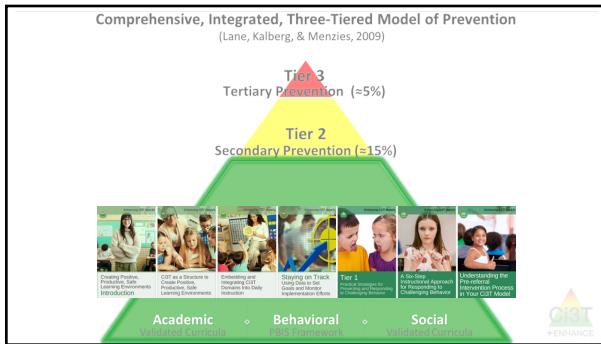
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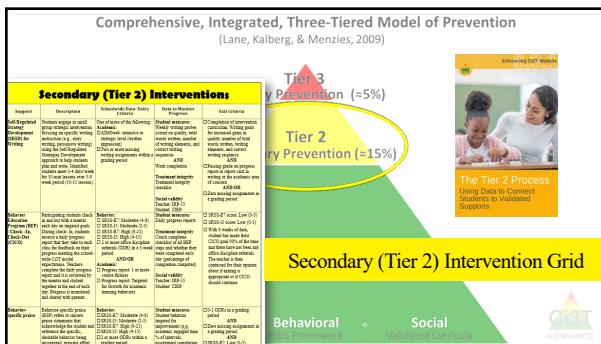
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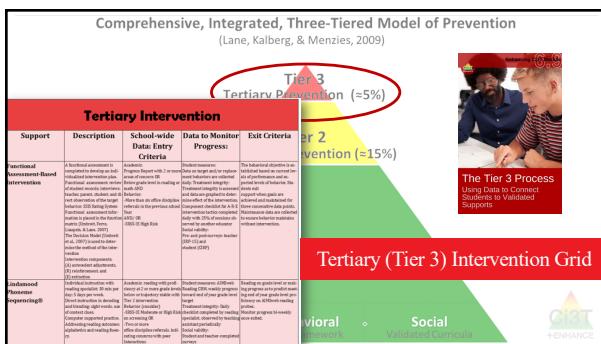
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What is Functional Assessment-Based Intervention (FABI)?

- Customized intervention designed for each student based on the reasons *why* a particular concerning behavior is occurring
- Developed through a five-step, team-based, manualized process
- Grounded in applied behavior analytic (ABA) principles (e.g., reinforcement, antecedent, consequence)



5 Steps to Design, Implement, and Evaluate FABI

1 Identify Students Who May Need a Functional Assessment-Based Intervention

Identify students who may need a functional assessment-based intervention by examining student behavior and academic performance data to determine if the behavior is concerning and if the student is not responding to general schoolwide interventions.

2 Conducting the Functional Assessment

Conduct a functional assessment to determine the function of the behavior. The functional assessment is a process of gathering information about the behavior and the context in which it occurs to determine the function of the behavior.

3 Collecting Baseline Data

Collect baseline data to determine if the behavior is concerning and to measure the behavior's frequency, intensity, and duration.

4 Designing the Functional Assessment-Based Intervention

Design an intervention to address the function of the behavior. The intervention is a plan to reduce the behavior and increase the student's appropriate behavior.

5 Testing the Intervention

Test the intervention to determine if it is effective in reducing the behavior and increasing the student's appropriate behavior.

For more information visit [C3T.org](#)

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5 Steps to Design, Implement, and Evaluate FABI

Functional Assessment-Based Intervention (FABI) is a five-step manualized process, grounded in applied behavior analytic (ABA) principles, to build an intervention personalized for each student based on the reasons why a particular concerning behavior is occurring.

1 Identify Students Who May Need a Functional Assessment-Based Intervention

Teams use schoolwide data (e.g., behavior and academic screening, office discipline referrals, academic data) to determine which students may benefit from this intensive Tier 3 intervention.

2 Conducting the Functional Assessment

- Data are collected through informal classroom observations, teacher interviews, family and student interviews, rating scales, and direct observation (A-B-C data collection).
- Target and replacement behaviors are operationally defined.
- Data from the functional assessments are organized using the Function Matrix and a hypothesis statement is written to clarify the function of the student's behavior (e.g., access or avoid attention, tangibles, activities, or sensory).

3 Collection of Baseline Data

4 Designing the Intervention

5 Implementing and Evaluating the Intervention

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| | |
|---|---|
| | <h2>3 Collecting Baseline Data</h2> <ul style="list-style-type: none"> Teams select a behavior measurement system (e.g., momentary time sampling) Baseline data (about 5 observations) are graphed and monitored to inform phase change decisions |
| <h2>4 Designing the Functional Assessment-Based Intervention</h2> | <p>Use the Function-Based Intervention Decision Model to select an intervention method:</p> <ul style="list-style-type: none"> Method 1: Teach the Replacement Behavior Method 2: Adjust the Environment Method 3: Shift the Contingencies Method 1 and 2: Teach the Replacement Behavior and Adjust the Environment |
| <h2>5 Testing the Intervention</h2> | <p>Implement and evaluate the intervention with an emphasis on:</p> <ul style="list-style-type: none"> Student outcomes Treatment integrity Social validity <p>For more information visit c3t.org/fabi</p>   |

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Building Your FABI Team

- Two people who serve on this “standing” team
 - Member of Ci3T Leadership Team
 - Staff with behavioral expertise (e.g., behavior specialist, instructional coach, counselor, school psychologist)
- Classroom teacher(s) of the student who might benefit from this support
- Family member of the student
- Student

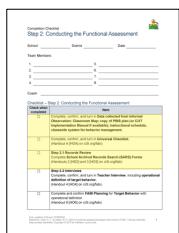


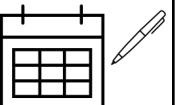


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Action Items: Between Session 1 and 2









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Step 1: Identifying Students Who May Need a FABI



FABI Step 1: Identifying Students Who May Need a FABI



- Review multiple sources of data
- Connect with family member(s)
- Meet with student

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Understanding the Learning Environment and Context: School Context

- Ci3T Implementation Manual
- Treatment Integrity and Social Validity Reports
- Informal observations of teacher-teacher, teacher-student, and student-student interactions across settings (e.g., hallways, cafeteria, arrival and dismissal)



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Understanding the Learning Environment and Context: Classroom Context

- Classroom Map
- Instructional schedule
- Tier 1
 - Expectation matrix
 - Universal reinforcement system (e.g., tickets)
 - Classwide system for behavior management
- Universal Checklist
- Teacher Ci3T Treatment Integrity: Direct Observation



The slide features two images. On the left is a classroom map showing the layout of desks and furniture. On the right is the 'Lincoln Line PROFI' Expectation Matrix, a grid-based behavior management system. The matrix has columns for 'Expectation' (e.g., 'Arrive on time'), 'Universal Reinforcement' (e.g., 'Ticket'), 'Classwide System' (e.g., 'Positive Reinforcement'), and 'Teacher Ci3T Treatment Integrity' (e.g., 'Direct Observation'). The rows represent different student behaviors.

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| Table Talk: Describe Your Student* |  |
|---|---|
| <ul style="list-style-type: none"> • What sources of data did you use to determine this student might benefit from a FABI? • What information did you glean from FABI Step 2 so far? <ul style="list-style-type: none"> ◦ School context: Ci3T Implementation Manual, Treatment Integrity and Social Validity Reports, informal observation across settings ◦ Classroom context: classroom map, instructional schedule, tier 1 practices, universal checklist ◦ School Archival Records Search (SARS) | |

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Step 2: Conducting the Functional Assessment

Interviews and Operationally Defining Behavior



FABI Step 2
Conducting the
Functional Assessment

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Teacher Interview

- Administer Preliminary Functional Assessment Survey (PFAS; Dunlap et al., 1993)
- Operationally define the target behavior
- Understand more about the behavior (e.g., when it does / does not occur)

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Family and Student Interviews

Family Interview

- Preliminary Functional Assessment Survey (PFAS; Dunlap et al., 1993)
- Glean additional information about the target behavior from the family's perspective

Student Interview

- Student Assisted Functional Assessment Interview (Kern et al., 1994)
- Understand more about the behavior from the student's perspective

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Rating Scale

After each interview, administer a rating scale such as the Social Skills Improvement System Rating Scales (SSIS-RS; Gresham & Elliott, 2008)

| Acquisition Deficit | Performance Deficit |
|--|---|
| <p>When students "can't do" a skill—meaning they do not have the skill in their repertoire—this is referred to as an acquisition deficit.</p> <p>Can't Do</p>  | <p>When students "won't do" a skill or do not demonstrate it as frequently as desired, meaning they are intentionally not performing an antecedent-based strategy to make the behavior more likely to occur and/or to prevent a behavior. These strategies reinforce use of social skills.</p> <p>Won't Do</p>  |

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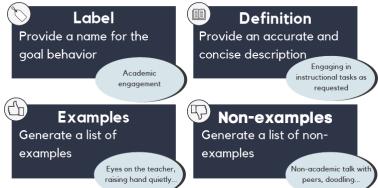
Operationally Defining the Target Behavior

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Defining Behaviors

Identifying and defining a goal behavior—often referred to as a replacement behavior—is an important first step for any behavioral intervention. Read on to learn about the components and characteristics of clear behavior definitions.

Label • Define • List examples • List non-examples



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Examples

Generate a list of examples

Eyes on the teacher, raising hand quietly.

Non-examples

Generate a list of non-examples

Non-academic talk with peers, doodling...

Characteristics of a clear behavior definition

1. Objective, observable description
2. Unambiguous and clear, so an observer could easily understand
3. Clearly articulates what does and does not meet the definition
4. Leaves little room for subjective judgement
5. Describes an action (e.g., shouting out) rather than a non-action (e.g., not raising hand)

Adapted from: Cooper, J. O., Heron, T. E., & Howard, W. L. (2020). Applied behavior analysis (3rd ed.). Pearson.

For more information visit c3tc.org



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Example Operational Definition: Off-Task

| Component | Description |
|--------------|--|
| Label | Off-task |
| Definition | Off-task is defined as attending to activities in class other than assignments. |
| Examples | Playing with materials inappropriately, talking to peers, putting head on the desk, drawing, and looking around the room |
| Non-Examples | Completing assignments using materials only for assignments, and watching the teacher when delivering instruction |



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Example Operational Definition: Verbal Aggression

| Component | Description |
|--------------|---|
| Label | Verbal aggression |
| Definition | Verbal aggression is defined as any vocalization directed towards a peer or adult at a volume above expected conversational level for a given setting alongside use of profanity or language that is not appropriate for the setting. |
| Examples | Yelling "I hate you" at a voice level 3 during classroom instruction, verbal threats directed towards peer (e.g., "if you don't stop, I'm going to..."), name-calling, profanity. |
| Non-Examples | Level 3 voice level at recess, shouting out an answer during choral response, sighing ("uhhhggg"), negative self-talk (e.g., "this is too hard") |



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Operational Definition Tips

- Consider how to quantify subjective terms like "loud" or "inappropriate"
- Operational definitions include only facts and observable behavior. Operational definitions do not include:
 - inferences related to motivation, feelings, intentions
 - function of the behavior
- Operational definitions must pass the "dead person test" (i.e., if a dead person can do it – it is not a behavior!)
 - not paying attention -> attending to a person other than the speaker



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Let's Practice – Revising an Operational Definition

| Component | Description |
|--------------|---|
| Label | Disrespectful |
| Definition | Disrespectful is defined as having a bad attitude towards teachers and peers. |
| Examples | Talking back, rolling their eyes, inappropriate comments, ignoring requests |
| Non-Examples | Asking a question, giving a compliment |



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Revising an Operational Definition: Example Revisions

| Component | Description |
|--------------|---|
| Label | Negative peer interactions |
| Definition | Negative peer interactions are defined as any instance of verbal or non-verbal behavior directed towards a peer that disrupts the peer's participation or causes observable discomfort. |
| Examples | Insulting comments (e.g., "nobody likes you"), name-calling (e.g., "you are weird"), mocking, eye-rolling, making faces |
| Non-Examples | Asking a question |



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Let's Practice: Operational Definitions

- Sort the operational definitions
 - Yes – operational definition is clear, objective, and complete
 - No - operational definition is not yet clear, objective, and complete
- Revise operational definitions to ensure they are clear, objective, and complete

00:00 



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Step 2: Conducting the Functional Assessment ABC Data Collection



Handwriting practice lines for page 37.

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**The ABCs of Behavior:
A Focus On the Before and After**

The ABCs of behavior, also known as the three-term contingency, can help us analyze antecedents, behavior, and consequences to explain, predict, and shape future behavior.

| Antecedent | Behavior | Consequence | Function |
|--|--|---|--|
| Antecedents are events that come before the behavior occurs, or things that set the stage for behavior to occur. What happened before the behavior? | Behavior refers to anything an individual does that is observable, measurable, and repeatable. What did the student do? | Consequences are anything that follows behavior. They can include events, situations, people's behavior, or things. What happened after the behavior occurred? | Why did the behavior happen? • identifies the reason why the behavior occurred, or why it is effective. • There are different reasons individuals do things (to access or avoid things). Collect and use data to inform decisions |

All learning happens through consequences!

- Antecedents influence behavior and affect our future actions.
- Consequences determine the likelihood of engaging in behavior in the future.

Handwriting practice lines for page 38.

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A-B-C Data Example

A teacher hands out math computation worksheet, starts the timer, and tells students that they will be timed in completing the math worksheet. The student then tears up the worksheet. The teacher scolds the student and has the student clean up the mess without completing the worksheet.

| Antecedent | Behavior | Consequence |
|--|--|--|
| Antecedent Antecedents are events that come before the behavior occurs, or things that set the stage for behavior to occur. What happened before the behavior? | Behavior Behavior refers to anything an individual does that is observable, measurable, and repeatable. What did the student do? | Consequence Consequences are anything that comes following a behavior. They can include events, situations, people's behavior, or things. What happened after the behavior occurred? |

Handwriting practice lines for page 39.

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Direct Observation (A-B-C Data Collection)

- Determine the time of day and setting during which the behavior most often occurs
- 3 observation sessions (minimum)
- Aim to observe 8-10 occurrences of the target behavior or three hours of observations
- Record *only* instances of target behavior
- Each instance of the target behavior will be numbered and later placed in the Function Matrix



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A-B-C Data Collection Example





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Let's Practice A-B-C Data Collection!

| Component | Description |
|--------------|---|
| Label | Off-task |
| Definition | Off-task is defined as attending to activities in class other than assignments. |
| Examples | Playing with materials inappropriately, talking to peers, putting head on the desk, drawing, and looking around the room, humming |
| Non-Examples | Completing assignments using materials only for assignments, and watching the teacher when delivering instruction |



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A-B-C Data Practice Video #1 Debrief

| Antecedent | Behavior | Consequence |
|---|---|---|
|  |  |  |
| Teacher faced away | Eddie hums | Teacher attends |



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Table Talk: A-B-C Data Collection



- Share your practice A-B-C data with the people at your table
- What was easy or challenging about this practice activity?
- What challenges might you encounter when collecting A-B-C data for your student? How might you overcome those challenges?



00:00

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Break

1. Use a sticky note to add any questions to the Parking Lot
2. Stretch your legs, drink some water, we will be back in 5 minutes



Parking Lot
Add questions here!



00:00

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Step 2: Conducting the Functional Assessment

The Function Matrix

FABI Step 2
Conducting the Functional Assessment



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Using the Function Matrix to identify the hypothesized function(s)

The Function Matrix

| | Positive Reinforcement (access something) | Negative Reinforcement (avoid something) |
|---------------------|--|--|
| Attention | <ul style="list-style-type: none"> Peers laugh Teacher provides 1:1 assistance | <ul style="list-style-type: none"> Work alone Ignored by peers or adults |
| Tangible Activities | <ul style="list-style-type: none"> Preferred activity (e.g., tablet) | <ul style="list-style-type: none"> Do not have to complete academic task |
| Sensory | <ul style="list-style-type: none"> Access to fidgets | <ul style="list-style-type: none"> Noise cancelling headphones |

Source: Umbrell, J., Ferro, J., Lane, K. L., & Liuppin, C. (2004). Functional assessment based intervention: A practical, effective, and integrated approach. Guilford.

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| | Positive Reinforcement (access something) | Negative Reinforcement (avoid something) |
|------------|--|---|
| Attention | <p>Teacher Interview - "During independent work time, frequently comes to me to ask a question during math. Often, she already knows the answer!"</p> <p>Parent Interview - "She wants me to check her homework every night. Not just one math problem but all of them."</p> <p>ABC Data: 1,2,1,3,2,1,24,3,1</p> | |
| Activities | <p>Number of the observation session (Day 1)</p> | <p>Records Review - Tammy's low grades were due to lack of class work completion.</p> <p>Teacher Interview - "She is the last one to get started when it is time for independent reading."</p> <p>Student Interview - "I hate worksheets, they're so boring!"</p> <p>ABC Data: 1,1,14,2,2,23,25,3,2</p> |
| Sensory | | |

Source: Umbrell, Ferro, Lane, & Liuppin (2004); Umbrell, Ferro, Liuppin, & Lane (2007); Umbrell, Lane, & DeJordi (2004)

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Let's Practice – Determining the Function



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Determining the Function 1

| Antecedent | Behavior | Consequence |
|--------------------|------------|-----------------|
| Teacher faced away | Eddie hums | Teacher attends |



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Determining the Function 2

"If we go somewhere crowded or noisy, she immediately wants to leave or melts down."



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Determining the Function 3

| Antecedent | Behavior | Consequence |
|--|--|---------------------------------------|
| Teacher provides redirect "Jackson, pick up your pencil and start writing" | Jackson begins to tantrum (falls out of seat, kicks legs, yells "no no, no") | Teacher sends Jackson to a buddy room |



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Determining the Function 4

"If I feel like the teacher is going to call on me, I usually put my head down or look away."



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Determining the Function 5

| Antecedent | Behavior | Consequence |
|--|---|---|
| Teacher hands out math computation worksheet, starts the timer, and tells students that they will be timed in completing the math worksheet. | The student then tears up the worksheet | The teacher scolds the student and has the student clean up the mess without completing the worksheet |



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Determining the Function 6

"If I think I'll have to talk in front of the class, I'll ask to go to the bathroom or try to leave."



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Determining the Function 7

| Antecedent | Behavior | Consequence |
|--|--|---|
| The teacher asks for a volunteer to answer the math question | Student puts her head on her desk and says that her stomach hurts. | Teacher asks if she is ok to stay in class or needs to go to the nurse. |



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Determining the Function 8

"He behaves fine when someone is playing with him, but the second I walk away, he starts throwing things."



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Hypothesized Function

The Function Matrix

| | Positive Reinforcement -Sustaining | Negative Reinforcement -Sustaining |
|-------------------|---------------------------------------|---------------------------------------|
| Attention | | |
| Escape | | |
| Access to Peer | | |
| Access to Teacher | | |

Source: Tilly, L. (2010, April 2). A guide to functional behavior assessment. *Journal of Positive Behavioral Interventions and Supports*, 13(1), 1-10.



During [context], [student name] engages in [target behavior] in order to [maintaining function(s)].

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Step 3: Collecting Baseline Data Selecting A Measurement System

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Step 3: Collecting Baseline Data

- Determine behavioral dimension of focus
- Select a measurement system
- Develop data collection procedures
- Train data collectors
- Collect baseline data
- Graph baseline data

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Dimensions of Behavior

To set up a data collection system, first identify the dimension of interest. Behavior can be described along several dimensions including:

| | |
|---|--|
|  | Frequency The number of times a behavior occurs. <i>The student raised their hand six times during history class.</i> |
|  | Rate The number of times a behavior occurs per unit of time. <i>During the 30 minute observation, the student initiated social interactions at a rate of three times per minute.</i> |
|  | Duration The length of time the behavior occurs. <i>The student was on-task for 4 minutes.</i> |



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| | |
|---|---|
|  | Rate The number of times a behavior occurs per unit of time. <i>During the 30 minute observation, the student initiated social interactions at a rate of three times per minute.</i> |
|  | Duration The length of time the behavior occurs. <i>The student was on-task for 4 minutes.</i> |
|  | Latency The length of time between the antecedent (e.g., when a behavior is requested) and the behavior. <i>The teacher prompted the student to begin, the student picked up their pencil 15 seconds later.</i> |
|  | Force The strength or intensity with which a behavior occurs. <i>The student's pencil pressure while writing leaves a mark on the page underneath.</i> |



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Dimension of Behavior Example

Behavior = out of seat

- Frequency – *number of times out of seat*
 - *Out of seat 8x during lunch*
- Duration – *amount of time out of seat*
 - *Out of seat 1-2x during lunch BUT lasts for 5+ minutes each time*

Dimensions of Behavior

To set up a data collection system, first identify the dimension of interest. Behavior can be described along several dimensions including:

| | |
|---|---|
|  | Frequency The number of times a behavior occurs. <i>The student raised their hand six times during history class.</i> |
|  | Rate The number of times a behavior occurs per unit of time. <i>During the 30 minute observation, the student initiated social interactions at a rate of three times per minute.</i> |
|  | Duration The length of time the behavior occurs. <i>The student was on-task for 4 minutes.</i> |
|  | Latency The length of time between the antecedent (e.g., when a behavior is requested) and the behavior. <i>The teacher prompted the student to begin, the student picked up their pencil 15 seconds later.</i> |
|  | Force The strength or intensity with which a behavior occurs. <i>The student's pencil pressure while writing leaves a mark on the page underneath.</i> |

For more information, please visit ci3t.org



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Select an Aligned Measurement System

- Event-Based Methods

- Frequency

- Rate

- Time-Based Methods

- Duration

- Latency

- Interval Recording

- Whole-Interval

- Partial-Interval

- Momentary Time Sampling



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Event-Based Measurement Systems

- Types of event-based measurement:

- Frequency

- Rate

- Most appropriate for behaviors that are:

- Countable and discrete (e.g., relatively brief, clear start and end, and uniform in length)

- Examples: talking out of turn, swearing, pushing



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Tips for Event-Based Recording



- Select a specific period for data collection (e.g., first 20 minutes of the day, recess, math block)

- Keep track of each time the target behavior occurs within that specified time

- Tally marks on paper (e.g., post it, label, data-collection sheet)

- Move paperclips from one pocket to another

- Counter



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Interobserver Agreement (IOA)

- Interobserver agreement (IOA) is degree to which two observers are seeing the same thing
- IOA provides insight on the *reliability* of data collection

To calculate IOA for frequency or rate

(lower # / higher #) * 100 = ____ %

(10 / 12) * 100 = 83%



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Time-Based Measurement Systems

- Time Based
 - Duration
 - Latency
 - Interval (whole-interval, partial interval, momentary time sampling)
- Most appropriate for behaviors that are:
 - Not countable or discrete (e.g., less defined start/end, span a period of time) and/or vary in length each time
 - Examples of non-uniform behaviors include: academic engagement, off-task, leaving designated area (e.g., desk, carpet spot), tantrum



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Tips for Duration and Latency



Duration and Latency

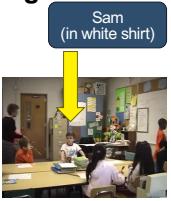
- Select a specific period for data collection (e.g., first 20 minutes of the day, recess, math block)
- Use a stopwatch (or app) to note:
 - Duration – when behavior begins and ends
 - Latency – start timer when direction is given, stop timer when student engages in expected behavior



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Let's Practice: Duration Recording

| Component | Description |
|--------------|--|
| Label | Off-Task |
| Definition | Off-Task is defined as being engaged in activities other than those directed by the teacher. |
| Examples | Looking at a peer's paper, out of location, coloring, throwing materials |
| Non-Examples | Writing, looking at the teacher or board, reading, following teacher directions |



Sam
(in white shirt)



GIST
+ENHANCE

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Table Talk: Duration Recording



- Share your duration recording data with the people at your table
- Calculate interobserver agreement (smaller # / larger #) x 100
- What about duration recording was challenging?
- What challenges might you encounter if collecting duration data for your student? How might you overcome those challenges?





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Tips for Interval Recording

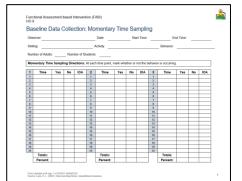
- Select a specific period for data collection (e.g., first 20 minutes of the day, recess, math block)
- Divide observation period into equal intervals (e.g., 30-second, 1 minute)
- Set up cue to go off at end of each interval (e.g., audio cue, phone or watch app, MotivAider)
- Record whether behavior occurred:
 - Whole-interval: behavior occurred the entire interval
 - Partial-interval: behavior occurred at any time during the interval
 - Momentary Time Sampling: behavior occurred at exact moment interval ends

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Momentary Time Sampling

- Record if the behavior occurs (yes / no) at the **exact moment the interval ends**
- Feasible as it *does not* require watching the student the entire time
- Tends to *underestimate* behavior



The form is titled 'Baseline Data Collection: Momentary Time Sampling'. It includes fields for 'Date', 'Time', 'Subject', 'Number of Intervals', and 'Number of Trials'. Below these are two tables for recording data. The first table has columns for 'Trial' (1-10), 'Yes' (checkbox), 'No' (checkbox), and 'NA' (checkbox). The second table has columns for 'Trial' (1-10), 'Yes' (checkbox), 'No' (checkbox), and 'NA' (checkbox). At the bottom, there is a note: 'Check the appropriate box for each behavior that occurs during the interval. If the behavior does not occur, leave the box blank.'



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Let's Practice: Momentary Time Sampling

| Component | Description |
|--------------|--|
| Label | Holding microphone in left hand |
| Definition | Any instance where Jim holds the microphone in his left hand |
| Examples | using only the left hand to hold the microphone |
| Non-Examples | holding the microphone in the right hand or with both hands |



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Table Talk: Momentary Time Sampling

- Share your momentary time sampling data with the people at your table
- Calculate interobserver agreement
 - $(\# \text{ intervals agree} / \text{total } \# \text{ of intervals}) \times 100$
- What about momentary time sampling was challenging?

00:00



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Partial Interval Recording

- Record if the behavior occurred (yes / no) at **any point** during the interval
- Requires watching the student the entire time
- Tends to *overestimate* behavior



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Let's Practice: Partial Interval Recording

| Component | Description |
|--------------|--|
| Label | Holding microphone in left hand |
| Definition | Any instance where Jim holds the microphone in his left hand |
| Examples | using only the left hand to hold the microphone |
| Non-Examples | holding the microphone in the right hand or with both hands |



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Table Talk: Interval Recording



- Share your partial interval recording data with the people at your table
- Calculate interobserver agreement
 - (# intervals agree / total # of intervals) x 100
- How did data from partial interval recording compare to data collected using momentary time sampling?
- What challenges might you encounter if collecting data using interval recording for your student? How might you overcome those challenges?

00:00



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Capture Questions in the Parking Lot!

Use a sticky note to add any questions to the Parking Lot

Parking Lot

Add questions here!



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Step 3: Collecting Baseline Data

Baseline Data Collection Procedures




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Data Collection Procedures: Materials

- Create data collection forms
 - Student's Name
 - Observer's name
 - Date
 - Setting
 - Operational Definition
 - Time observation started and ended
- Materials (e.g., stopwatch, phone app)
- System to organize and store data forms (e.g., clipboard, folder)



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Data Collection Procedures: Logistics

- Choosing when to observe
 - Setting where behavior most likely to occur and / or most problematic
 - Consistent time (e.g., 1:00-1:30, lunch, first 20 minutes of independent work)
- Choosing where to sit
 - Student within line of sight
 - Close enough to hear (if applicable)
 - Unobtrusive
 - Discrete



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Training Observers

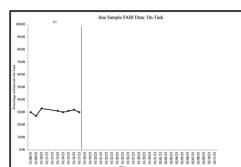
- Identify primary and secondary observers
- Training focuses on:
 - Operational definition of behavior being measured
 - How to record behavior using selected measurement system
- Conduct practice sessions until reach 90% accuracy across three consecutive sessions



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Collect and Graph Baseline Data

- Baseline data serves as the **control condition** to compare against data collected when the FABI is introduced
- Collect a minimum of 3-5 baseline data points
- Collect IOA for 25% of baseline data collection sessions



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FABI Data Manager

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Ci3TA +ENHANCE

Putting it All Together

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Let's Practice: Designing Measurement Systems

1. Choose an example article (pre-k, elementary, middle school)
2. Review content in article related to FABI Step 2
3. Work with your group to draft measurement procedures
4. Compare your measurement procedures to those used in the article
 1. How are the procedures similar?
 2. How are they different?

00:00

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Connect – Extend – Challenge Reflection

• Consider:

- How are the ideas and information presented **connected** to what you already know or do?
- What new ideas did you get that **extended** or broadened your thinking?
- What **challenges** or puzzles have come up in your mind from the ideas and information presented?

• Add your reflections to each poster

• Read and respond to (e.g., star, heart, add a note) to the reflections at each poster

00:00



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Work Time: Calendar FABI Steps 2 and 3

1. Review FABI Step 2 and FABI Step 3 Implementation Checklists

2. Consider **when** and **how** you will complete each item

3. Add action items to your calendar

00:00



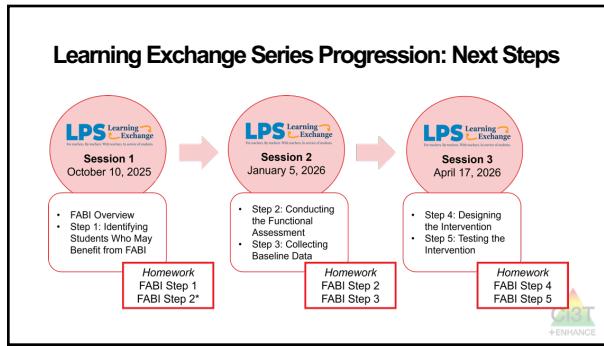


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Wrapping Up and Moving Forward

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Action Items: Between Session 2 and 3

GIST Checklist Step 2: Conducting the Functional Assessment

GIST Checklist Step 3: Collecting Baseline Data

GIST Checklist Step 4: Designing the Intervention

GIST +ENHANCE

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Optional: FABI Support

- We are happy to provide support as you complete FABI Steps 2 and 3 ☺
- Please email us to schedule a zoom call!
 - Kathleen Lynne Lane kathleen.lane@ku.edu
 - Elise Sarasin elise.sarasin@ku.edu

GIST +ENHANCE

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The image shows a screenshot of the Ci3T website on the left and a circular graphic for 'Functional Assessment-Based Intervention' on the right. The Ci3T website features a navigation bar with links like 'Home', 'About Us', 'Training', 'Assessments', 'Interventions', 'Professional Learning', 'Contact Us', and 'Log In/Logout'. Below the navigation is a search bar and a 'Functional Assessment-Based Interventions' section. The circular graphic for 'Functional Assessment-Based Intervention' includes the title, authors (John Umiker, Jennifer S. Farris, Kathleen A. Luepker, and Carl J. Luepker), and the Ci3T logo at the bottom.

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| <h1>Project EMPOWER+</h1> | |
|---|--|
|  | |
| CDT Project EMPOWER+ Empowering Educators to Implement Positive Behavioral Interventions and Supports | Date September 24, 2025 (Wednesday) |
|  | Starting Strong: Effective Tier 1 Practices for Educators October 8, 2025 (Wednesday) |
|  | From Data to Action: Using Systematic Screening to Inform Instruction November 18, 2025 (Tuesday) |
|  | CDT In Action: Integrated Lesson Planning for Enhanced Instruction January 21, 2026 (Wednesday) |
|  | Mastering Behavior Specific Praise and Precorrection February 10, 2026 (Tuesday) |
|  | A 6-Step Instructional Approach for Responding to Challenging Behaviors: A Tier 1 Practice March 20, 2026 (Wednesday) |
|  | A 3-Step Approach for Students Experiencing Anxious Feelings: Recognize, Reduce, Record April 26, 2026 (Tuesday) |
|  | A 3-Step Support for Students with Intensive Intervention Needs: Functional Assessment-Based Intervention (FABI) April 26, 2026 (Tuesday) |

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Reminder: Knowledge, Application, Impact Points

Knowledge → Application → Impact

Knowledge: Functional Assessment-Based Intervention (FABI) as a Tier 3 Intervention

Application: Functional Impact Checklist

Impact: On-Task Behavior: Johnson

In Kansas, you can earn 2 x PD points for application and 3 x for impact!
We are happy to review your materials before you upload!

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Application & Impact

Also, did you know when you apply your learning...

- you can take your learning activity in MLP to "Application" and earn double the points?
- and demonstrate its' impact, you can get triple your original knowledge points?

Check out the example below!

Original Activity = 2 points
These are "knowledge points" and can be used for relicensure.

Application = 4 points
These are "application points" and can be used towards horizontal movement on the salary schedule.

Impact = 2 add'l points
These are "impact points" and can be used towards horizontal movement on the salary schedule.

A total of 6 points for salary Enhancement

And, the **BEST** part?

Application and Impact points can be used to move horizontally on the salary schedule! [Click HERE](#) to learn more (or use the QR code). See your PDC Representative if you have questions!

Use code: lnhqj6q

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Thank You!

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Kathleen Lynne Lane
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