

#### Leadership

## Creating the Instructional Program







#### **Outline**

- Core/content area instruction
- Interventions
- Training and support
- Expectations for effective instruction
- Schedules for instruction
- Monitoring of instruction



## Core/Content Area Instruction

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### Reading

- Every grade level should have a core set of materials to teach the following:
  - Word-level reading and spelling
  - Automaticity and fluency
  - Vocabulary
  - Comprehension with various types of texts
- Across kindergarten to grade 12, the emphasis on these different components changes, but all remain important.

## **My Core Reading Program**



Fill in the first two columns of the **Approved Core Materials** handout.

Grade	Reading	Writing	Mathematics	Behavior

T-I-E-R

### Writing

- Every grade level should have a core set of materials to teach the following:
  - Handwriting and word processing
  - Spelling and advanced word study
  - Sentence creation
  - Composition of various types of texts
- Across kindergarten to grade 12, the emphasis on these different components changes, but all remain important.

### **My Core Writing Program**



Fill in the third column with the main resources that have been identified for teachers to use to teach writing.

	Behavior

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#### **Mathematics**

- Every grade level should have a core set of materials to teach the following:
  - Number sense
  - Whole numbers and rational numbers
  - Geometry
  - Word-problem solving
- Across kindergarten to grade 12, the emphasis on these different components changes, but all remain important.

## **My Core Mathematics Program**



Fill in the fourth column with the main resources that have been identified for teachers to use to teach math.

Grade	Reading	Writing	Mathematics	Behavior

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#### **Behavior**

- Every grade level should have a core set of materials to teach the following:
  - Schoolwide positive expectations and behaviors
  - Classroom expectations and routines
  - Academic and healthy behaviors that support school success
- Across kindergarten to grade 12, all of these components remain essential.



### **My Core Behavior Program**



Fill in the last column with the main resources that have been identified for teachers to use to teach about and support behavior.

Grade	Reading	Writing	Mathematics	Behavior

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#### **Resources on Research-Based Core Programs**



- K-3 reading: http://reading.uoregon.edu/cia/ curricula/con guide.php
- Institute of Education Sciences (IES) practice guides:

https://ies.ed.gov/ncee/wwc/ **PracticeGuides** 

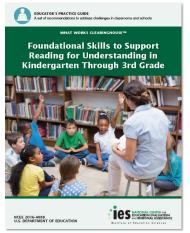


A Consumer's Guide to Analyzing a Core Reading Program Grades K-3: A Critical Elements Analysis August, 2006 Deborah C. Simmons, Ph.D. Texas A&M University

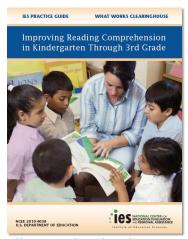
1. What is a core reading program?

A core reading program is the primary instructional tool that eachers use to teach children to learn to read and ensure they reach

## **IES Practice Guides: Elementary Reading**



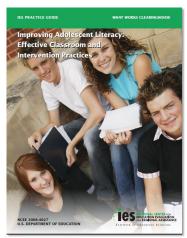
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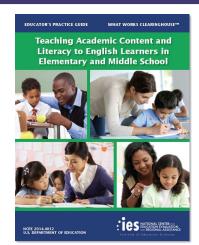
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## **IES Practice Guides: Secondary Reading**

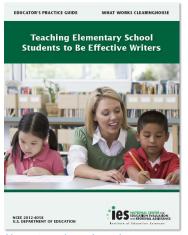


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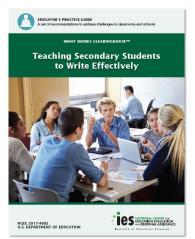


https://ies.ed.gov/ncee/wwc/PracticeGuide/19

## **IES Practice Guides: Writing**



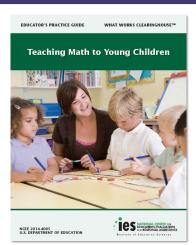
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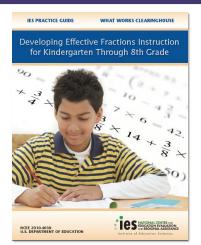
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## **IES Practice Guides: Elementary Math**

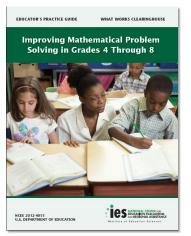


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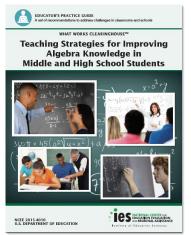


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## **IES Practice Guides: Secondary Math**



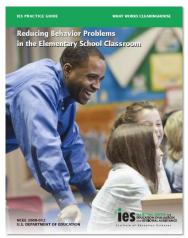
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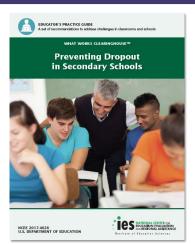
https://ies.ed.gov/ncee/wwc/Docs/PracticeGuide/WWC Algebra PG Revised 02022018.pdf

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#### **IES Practice Guides: Behavior**



https://ies.ed.gov/ncee/wwc/PracticeGuide/4



https://ies.ed.gov/ncee/wwc/PracticeGuide/24

### **Missing Components**



#### **Approved Core Materials**

- Are any components missing from your core programs?
- When you compare your identified programs with what the research shows, would you say your programs are research based?

#### **Core Programs: Next Steps for Improvement**

Based on the research in the resources we just discussed and listed in your handouts, identity your next steps to improve core instruction.

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## Interventions

#### **Interventions**

- Every grade level should have intervention programs to address students who need targeted or intensive intervention.
- Each program should have an evidence base demonstrating its effectiveness with students similar to those who will receive the intervention at your campus.
- Intervention programs must also be implemented with fidelity.



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### Reading

- What reading interventions have you designated for teachers to use in Tier 2? Tier 3?
- Are teachers required to use the interventions with fidelity as is?
- How do you know whether teachers are using the interventions with fidelity?
- Do teachers supplement the interventions with other programs? If other programs are used, do they have an evidence base for their use with these students?

### **My Reading Intervention Program**



Fill in the first two columns of the **Approved Intervention**Materials handout.

Grade	Reading	Writing	Mathematics	Behavior

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#### Writing

- What writing interventions have you designated for teachers to use in Tier 2? Tier 3?
- Are teachers required to use the interventions with fidelity as is?
- How do you know whether teachers are using the interventions with fidelity?
- Do teachers supplement the interventions with other programs? If other programs are used, do they have an evidence base for their use with these students?

### **My Writing Intervention Program**



Fill in the third column with the program(s) that have been designated for writing interventions.

Grade	Reading	Writing	Mathematics	Behavior

T-I-E-R

#### **Mathematics**

- What math interventions have you designated for teachers to use in Tier 2? Tier 3?
- Are teachers required to use the interventions with fidelity as is?
- How do you know whether teachers are using the interventions with fidelity?
- Do teachers supplement the interventions with other programs? If other programs are used, do they have an evidence base for their use with these students?

## My Mathematics Intervention Program



Fill in the fourth column with the program(s) that have been designated for math interventions.

Grade	Reading	Writing	Mathematics	Behavior

T-I-E-R

#### **Behavior**

- What behavior interventions have you designated for teachers to use in Tier 2? Tier 3?
- Are teachers required to use the interventions with fidelity as is?
- How do you know whether teachers are using the interventions with fidelity?
- Do teachers supplement the interventions with other programs? If other programs are used, do they have an evidence base for their use with these students?

### **My Behavior Intervention Program**



Fill in the last column with the program(s) that have been designated for behavior interventions.

Grade	Reading	Writing	Mathematics	Behavior

T-I-E-R

#### **Resources on Evidence-Based Interventions**

- Evaluating intervention programs:
   <a href="https://meadowscenter.org/wp-content/uploads/Selecting Interventions.pdf">https://meadowscenter.org/wp-content/uploads/Selecting Interventions.pdf</a>
- Designing intensive interventions:
   https://meadowscenter.org/wp-content/uploads/2022/04/Designing\_\_Delivering\_In\_tensive\_Interventions\_Toolkit1.pdf
- Reviews of intervention programs:

https://ies.ed.gov/ncee/wwc/FWW

https://charts.intensiveintervention.org/chart/instructional-intervention-tools
https://charts.intensiveintervention.org/chart/behavioral-intervention-chart

#### Other TIER Modules to Explore

As with core instruction, the following TIER modules provide information about evidence-based practices in interventions and how to determine whether programs are evidence based:

- Academics
- Culturally and Linguistically Responsive Practices
- Behavior
- Mental Health

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#### **Missing Components**



#### **Approved Intervention Materials**

- Are any components missing from your intervention programs?
- When you compare your identified programs with what the research shows, would you say your programs are evidence based? To help you answer this question, consult the tools linked in the Evidence-Based Interventions section of the **Resources** handout.

Intervention Programs: Next Steps for Improvement
What next steps should you take to improve upon what's used in
interventions?

## **Training and Support**

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## **Initial Training**

- Initial training is a must.
- The duration depends on the program:
  - For core programs: Usually a full day of training
  - For interventions: Usually 2–3 days of training and up to 1–2 weeks
  - For intensive interventions (i.e., Tier 3): Usually intensive training over several days or weeks

### **Ongoing Support**

- Teachers also need ongoing support to implement programs effectively.
- Providers of ongoing support can include the following:
  - The program's publisher
  - Instructional coaches
  - Expert teachers

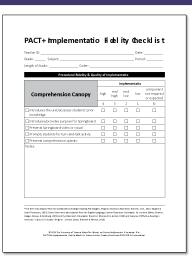


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### **Fidelity Checking**

- Fidelity: Implementing a program as intended based on how it was implemented when demonstrating significant impacts on student learning
- Example checklist for examining a teacher's fidelity:

https://meadowscenter.org/wp-content/upload s/2019-FidelityChecklist.pdf



## **Annual Follow-Up Training**

- New teachers need training in the programs they are expected to implement.
- Veteran teachers may need follow-up training based on fidelity checks and other instructional observations.
- Follow-up sessions should be built into professional development schedules at the beginning of each school year.



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#### **Training and Support Planning**



- Do you provide all of the following?
  - Initial training for all programs
  - Ongoing support of implementation for all programs
  - Fidelity checking for all programs
  - Annual follow-up training for all programs
- If not, how can you start to provide these types of training in your MTSS plan?

	Core Program	Intervention Program(s)	Next Steps
Initial Training			
Ongoing Support			
Fidelity Checking			
Annual Follow- Up Training			

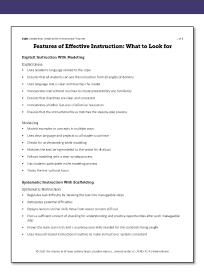
# Setting Expectations for Effective Instruction

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#### **Features of Effective Instruction**



- Explicit instruction with modeling
- Systematic instruction with scaffolding
- Multiple opportunities to practice and respond
- Immediate and corrective feedback
- Appropriate pacing
- Use of multiple grouping formats
- Differentiated instruction



### **Explicit Instruction**

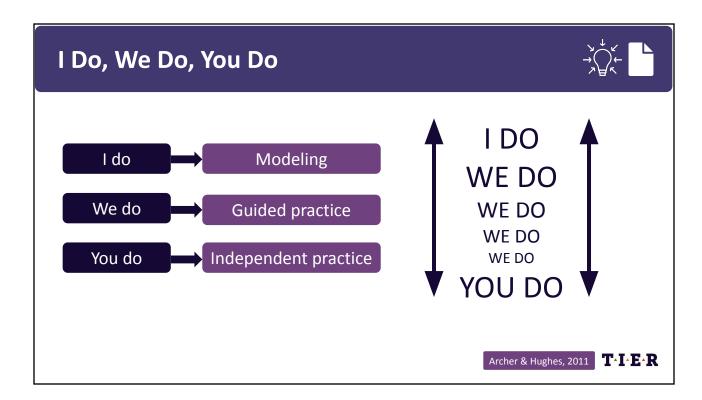
- Modeling and explaining concepts and skills in ways that are concrete and visible, include clear language, and use many examples
- Overlap and similarity in instructional procedures through the following:
  - Predictable, clear, consistent instructions
  - Known expectations
  - Familiar routines
- Routines to help teachers avoid making assumptions

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#### **Modeling**

- Demonstrating the task aloud
- Following a step-by-step procedure
- Using language specific to the demonstration of the skill
- Speaking clearly
- Checking for student understanding





### **Systematic Instruction**

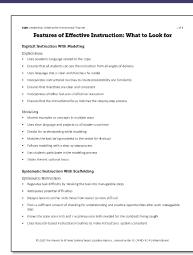
- Clearly defining expectations
- Reducing student confusion
- Using a careful sequence:
  - Moving from easier, high-utility skills to more difficult skills
  - Beginning with what students already know
- Breaking down complex tasks
- Incorporating assessment and feedback

### **Scaffolding**



Scaffolding is "a process that enables a child or a novice to solve a problem, carry out a task, or achieve a goal [that] would be beyond his unassisted efforts."

— Wood, Bruner, & Ross, 1976, p. 90



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### **Multiple Response and Practice Opportunities**

- Practicing each new skill many times
- Practicing after each step of instruction
- Using multiple practice formats:
  - Whole group
  - Cooperative groups
  - Partners
  - Individual
- Making learning meaningful



# Facilitating Multiple Response and Practice Opportunities



- Maximizing student participation
  - Actively engaging students in learning
  - Practicing related skills and concepts
  - Relating skills to prior knowledge
- Increasing the number of students' responses
  - Preparing more items for practice
  - Using choral responses when feasible
  - Building in think-pair-share or think-write-pair-share activities
  - Including guided, cumulative, and independent practice

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#### **Effective Feedback**





- Telling students they are right or wrong
- Describing why an answer is correct
- Telling students what they have and have not achieved
- Specifying or implying a better way
- Helping students develop ways to improve



## **Appropriate Pacing**



- Teaching based on a sense of urgency
- Appropriate time for each lesson, activity, or component
- Efficient transitions from one lesson or activity to the next
- Use of a timer if needed



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#### **Instructional Features**

#### Video:

**Expert Minute: Anita Archer** 

What are some important points that Archer makes about the different instructional features we have discussed?



### Grouping

- Possible grouping formats:
  - Whole group
  - Same-ability small groups
  - Partners
  - Mixed-ability small groups (e.g., centers)
  - Independent
  - One on one
- When is one grouping format preferred over another?

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### **Grouping for Effective Instruction**

- Define the purpose of instruction.
  - What are the advantages of grouping the students in this manner?
  - What is the instructional focus?
  - What activities will be completed?
- Group flexibly.
- Attend to student progress and instructional needs.
- Use different grouping formats to address the wide range of abilities.

### **Applying Different Grouping Formats**



Which grouping format might be best for the following:

- Working on a hands-on experiment in science
- Targeting a specific skill in math
- Practicing reading aloud to build fluency
- Teaching a grade-level expectation in writing

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#### Differentiation



"Differentiated instruction is a process to approach teaching and learning for students of differing abilities in the same class. The intent of differentiating instruction is to maximize each student's growth and individual success by meeting each student where he or she is and assisting in the learning process."

— Hall, 2002, p. 2

### **Ways to Differentiate Instruction**

- Instructional delivery, including additional scaffolding and extended practice opportunities
- Instructional materials
- Grouping formats
- Use of time to maximize student learning opportunities



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#### **Characteristics of Differentiated Instruction**

#### **Differentiated Instruction IS**

- Using assessment data to plan instruction and group students
- Teaching targeted, small groups
- Using flexible grouping (changing group membership based on student progress, interests, and needs)
- Matching instructional materials to student ability
- Tailoring instruction to address student needs

#### **Differentiated Instruction IS NOT**

- Using only whole-class instruction
- Using small groups that never change
- Using the same materials with all students
- Using the same independent seatwork assignments for the entire class

## Identifying the Features of Effective Instruction



Examine one of the scenarios in the Features of Effective Instruction: **Application Scenarios** handout.

- Circle the features you can identify in the scenario.
- Identify at least one feature that could enhance the lesson or activity and describe how you might incorporate the feature.

Consult the corresponding **Setting Expectations for Effective Instruction** handout for assistance.

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#### **Helpful Tools**

- Walkthrough tools: https://meadowscenter.org/library/resource/instructional-walkthrough-tools
- Observation: Features of effective instruction: https://meadowscenter.org/wp-content/uploads/2022/12/Observing Feat ures.pdf

# Scheduling Instruction

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## **Scheduling: Core Instruction**



- Every core/content area instructional block should be documented and known to all administrators.
- Changes to the schedule need to be approved by the MTSS leader.

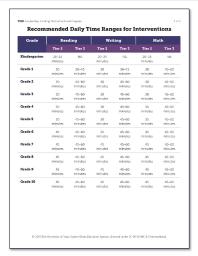


	Literacy	Mathematics	Science	Social Studies
Kindergarten	2 hours daily	.75 hour daily	.5 hour daily	.5 hour daily
Grade 1	2.5 hours daily	.75 hour daily	.5 hour daily	.5 hour daily
Grade 2	2.5 hours daily	.75 hour daily	.5 hour daily	.5 hour daily
Grade 3	2 hours daily	1 hour daily	.5 hour daily	.5 hour daily
Grade 4	2 hours daily	1 hour daily	.75 hour daily	.75 hour daily
Srade 5	1.5 hours daily	1 hour daily	1 hour daily	1 hour daily
Srade 6	1.5 hours daily	1 hour daily	1 hour daily	1 hour daily
Srade 7	1.5 hours daily	1 hour daily	1 hour daily	1 hour daily
Srade 8	1.5 hours daily	1 hour daily	1 hour daily	1 hour daily
Stade 9	1 hour daily	1 hour daily	1 hour daily	1 hour daily
Grade 10	1 hour daily	1 hour daily	1 hour daily	1 hour daily
Grade 11	1 hour daily	1 hour daily	1 hour daily	1 hour daily
Grade 12	1 hour daily	1 hour daily	1 hour daily	1 hour daily
arn and practice w ntent areas: a dec ience and social st	ithin each grade level ision for local districts	and content area. It is ju to make. It during literacy time to	at one example of h	

### **Scheduling: Intervention**



- In elementary school, it helps to designate intervention time periods at each grade level, so no students are pulled from core instruction.
- In middle and high schools, designated classes and electives may be required for providing interventions.



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#### **Variations by Grade Level**

- No research supports using Tier 3 in kindergarten.
- Early in elementary school,
   Tier 2 may be anywhere from 20 to 35 minutes; Tier 3 is typically 45 to 60 minutes.
- Later in elementary and into secondary school, interventions may need to be a bit longer.

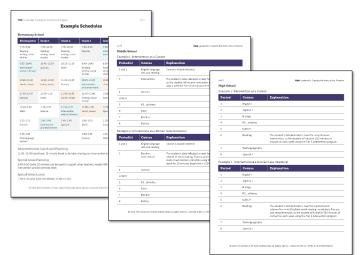


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## **Sample Schedules**



- What do you notice about how the interventions are scheduled?
- What would it take to create schedules similar to these at your campus?



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**Monitoring Instruction** 

### **Scheduling Regular Classroom Visits**

- Administrators, instructional coaches, and/or lead teachers should visit different instructional contexts, including the following:
  - Core/content area classrooms
  - Tier 2 and Tier 3 interventions
  - Special education, dyslexia, and other specialized classes
- Observations should focus on both components of specific content areas (e.g., problem solving in math) and instructional features (e.g., explicitness).

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#### **Observing Core Instruction**

- Observe classrooms on different days of the week, as lesson components and timeframes may vary across an instructional week.
- Observe whole-class lessons, small-group instruction, and cooperative-learning activities (e.g., workstations).
- Focus on specific components or instructional elements based on student data or previously collected observational data.

#### **Observing Interventions**

- These observations require an understanding of how an intervention should be delivered.
- Fidelity checklists that come with specific interventions can aid these observations.
- Observers of more intensive interventions must consider students' specific needs and what teachers do to support these needs.



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# **Connecting Observations to Student Assessment Data**

- Use student data to determine the focus of observations, such as the following:
  - Specific components or instructional elements
  - Whether students have been grouped effectively
- Continue using progress-monitoring or screening data to determine areas of instruction to observe.
- Combine observational data with student data to make professional development decisions.

#### **Observation Tools**

- Core/content area observation tools:
   https://meadowscenter.org/wp-content/uploads/2022/04/Instructional\_Observation1.pdf
- Intervention observation tool:
   <a href="https://meadowscenter.org/wp-content/uploads/2022/04/Intervention\_Observation1.pdf">https://meadowscenter.org/wp-content/uploads/2022/04/Intervention\_Observation1.pdf</a>
- Instructional features observation tool:
   <a href="https://meadowscenter.org/wp-content/uploads/2022/12/Observing\_Features.pdf">https://meadowscenter.org/wp-content/uploads/2022/12/Observing\_Features.pdf</a>

#### **Conclusion: Your To-Do List**

- Select and implement research-based core/content area instructional programs.
- Select and implement evidence-based interventions.
- Provide training and support in implementing instructional programs.
- Set expectations for effective instruction.
- Schedule instruction.
- Monitor instruction.













https://tinyurl.com/Posttest-InstructProg

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