Catalog June 2017

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STANDARDS-DRIVEN
CLASSROOMS

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- David A. Sousa
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- Joseph Murphy and more!

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Building schools of the future is a thrilling experience—with a practical purpose. Districts who partner with Learning Sciences on a comprehensive plan often opt to create a Demonstration School for Rigor to fuel deep implementation.

Through intensive training and coaching, we rapidly build rigor and expertise in the Demonstration School. As the improvement plan rolls out across the district, faculty and administrators visit the model school to see exactly what standards-based, student-centered instruction and powerful leadership practices look like.

Expert consultants, equipped with extensive real-world classroom experience, provide coaching and support to leadership and teachers, helping build expertise at:

- Connecting and extending what's already working
- Planning and delivering rigorous, standards-based lessons
- Implementing powerful classroom strategies to increase rigor
- Empowering students to engage in cognitively complex learning
- Using real-time formative assessment data to strengthen instruction

**OUTCOMES:**

Students in Demonstration Schools thrive in a dynamic environment that allows them to take ownership for their knowledge.

Teachers in Demonstration Schools also feel a new sense of pride, in mastering 21st-century instruction and in seeing their students—and sometimes themselves—exceed their own expectations.

Principals serve as effective instructional leaders and coaches for change. Central Offices can utilize established Demonstration School sites to build district capacity for leadership, coaching, and instruction.

**DEMONSTRATION SCHOOLS LEAD THE WAY TO RIGOROUS INSTRUCTION FOR YOUR DISTRICT**

After sustaining positive change, a Demonstration School transitions to become a Model School of rigorous instruction that other schools in the community can visit and emulate. Leaders and aspiring leaders can see it happening in real classrooms and take it back to their schools. Replication of excellence is fast, efficient, and local.

**RIGOROUS TURNAROUND SUPPORT FOR SUSTAINABLE RESULTS**

We offer districts a unique opportunity to develop an exemplar school to serve as a laboratory of rigorous, standards-based leadership and teaching practices that can then be replicated in your other turnaround schools.

Through the exemplar school, your district’s leaders, principals, and teachers will observe, experience, and practice exceptional leadership and instructional strategies that focus on visibly improved student achievement, while building your capacity to quickly replicate and scale these strategies to your other turnaround schools.

District and building leaders will learn to accurately recognize and coach teaching that leads students to successful mastery of rigorous state standards.

- RigorWalk and Certification of District Leadership in the RigorWalk process
- Intensive Leadership Support, both onsite and virtual job-embedded coaching
- Coaching support for teachers and peers to who provide implementation fidelity
- New professional learning strategies from the Essentials for Achieving Rigor offer differentiated instruction within the flow of the lesson to minimize gaps in student learning prior to future assessment
- LSI Tracker assesses teacher and student growth for real time instructional decisions, easily showing growth, and identifying areas of need for all stakeholders

**DISTRICT-WIDE SPREAD: FAST, EFFICIENT, AND LOCAL**

The program as a whole is what works, you can't take just one piece. The training was targeted, we were monitoring the effects of the training, we were coaching on the spot with teachers as we did instructional rounds, we had side by side coaching with administrators. Taking all of that together is what works.

— Michael Aronson, Principal, Pahokee Middle High School, Florida

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DEMONSTRATE AND INSPIRE EXCELLENCE

SCHOOL TURNAROUND

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Each of its 23 core competencies includes a focus statement, a desired effect, sample instructional techniques, and when appropriate, strategies for evaluating student work, reinforcing the natural link between core instruction and teacher accountability. With this model, schools are seeing:

- Students mastering knowledge and skills to succeed with standards
- Core instruction and teacher accountability. With this model, schools are seeing:
- Teachers revitalized with updated resources to grow in their practice
- Observers share their observation data and learn
- Side-by-Side Coaching for Observers

Onsite coaching sessions where an LSI expert consults with on-site administrators to guide and support instructional leaders.

The Marzano Focused Evaluation Model provides a road map for Districts to make major decisions related to implementation of the Focused Model.

Session(s) provide a road map for Districts to make major decisions related to implementation of the Focused Model, including Policies and Procedures and Calculating and Weighting a Final Score.

Reinforce each other's accountability.

Focuses on five critical conditions for building instruction.

It introduces the 23 high-leverage teacher elements to measure effectiveness and guide a teacher from standards-based planning through selection and implementation of research-based instructional strategies, to awareness of conditions for learning in the classroom and professional responsibilities.

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The Research

Many states have seen drastic drops in student test scores after making the transition to new assessments based on more rigorous standards. For districts that haven’t shifted their instructional practices to meet the challenges of today’s increasingly demanding standards, this is troubling news. The Learning Sciences International research team looked at more than two million data points in one of the largest available databases of classroom observations and found that teachers are facing some serious challenges. Fewer than 6% of the lessons observed in the database were devoted to hypothesis generation and testing.

Now, even the best teachers are working hard to make the critical shifts in their pedagogy that will help students succeed after making the transition to new assessments based on more rigorous standards. This is troubling news. Fewer than 6% of the lessons observed in the database were devoted to hypothesis generation and testing.

A Non-Evaluative Model of Instruction

The Essentials provides a safe, evaluation-free zone for teachers to continue to grow as they practice and hone classroom strategies aligned to rigor. It gives them just the right guidance, support, coaching, and resources to make instructional changes that will help their students achieve.

Teachers love the Essentials because the model works with any evaluation system that a school currently has in place, but it doesn’t evaluate. Rather, its chief objective is to help educators focus on research-based, core classroom instructional strategies that build students’ higher-order thinking skills, such as analysis, reasoning, hypothesis generation and testing, and decision-making.

Student-Centered Pedagogy

Rigorous instruction calls for educators to move away from traditional "sage on the stage" teaching methods. Instead, teachers will guide students toward accepting ownership of their own learning, empowering learners of all ages and abilities to solve complex, real-world problems whether they work individually or in collaborative groups.

The Essentials will help teachers develop expertise in releasing autonomy to students, creating a student-centered pedagogy in which the learner owns most of the responsibility for the learning—a key factor in raising achievement.

Close Achievement Gaps

Drops in student test scores can serve as a powerful call to action. The Essentials equips teachers with focused professional development—core classroom practices, planning and reflection tools, collaborative strategies, data analysis, and formative assessments—to move all students toward increased rigor.

As teachers perfect these skills, rigorous instruction essentially becomes embedded into their daily work. In turn, it becomes natural for them to spend a larger portion of classroom time teaching cognitively complex skills that engage and prepare students for the new assessments.

Schools Are Already Seeing Results

Educators receiving early training on the Essentials for Achieving Rigor are already reporting a noticeable improvement in classroom instruction. Put into practice, it is "absolutely exciting" to see teaching with increased rigor, says one Florida high school principal. "As we support more of our teachers moving in that direction, it’s going to directly impact student achievement. Ultimately, we need to develop kids who, when they leave us, are critical thinkers and problem solvers."

The data have shed light on an urgent need. In response, we’ve developed the Marzano Center Essentials for Achieving Rigor, a model of instruction explicitly designed to give teachers a clear road map that makes the journey toward increased rigor more efficient and focused.

Components of Marzano Center Essentials for Achieving Rigor Are Designed to Support and Facilitate:

- Standards-based planning
- Clear criteria for success
- Essential classroom conditions for learning
- Data reflection and action
- Peer collaboration

The model helps teachers intentionally plan for and teach rigorous lessons, reflect on their progress, collaborate with peers engaged in the same work, and monitor their students for the desired results—all in an environment designed to nurture, guide, and engage.

We developed the Essentials for Achieving Rigor because reports indicate that most U.S. teachers are not prepared to teach to the level of rigor required by new state college and career readiness standards.

To learn more and find out what educators are saying about the Essentials for Achieving Rigor, call or visit:

1.877.411.7114

MarzanoCenter.com

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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</thead>
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<tr>
<td>1. Essential classroom conditions for learning</td>
<td>10.7%</td>
</tr>
<tr>
<td>2. Clear criteria for success</td>
<td>11.8%</td>
</tr>
<tr>
<td>3. Peer collaboration</td>
<td>12.0%</td>
</tr>
<tr>
<td>4. Standards-based planning</td>
<td>12.5%</td>
</tr>
<tr>
<td>5. Data reflection and action</td>
<td>12.0%</td>
</tr>
</tbody>
</table>
Successful standards-based instruction starts with teaching students foundational knowledge and skills that can be built upon throughout the instructional cycle. This type of instruction requires extended processing and application of knowledge and asks students to go beyond what is taught by asking questions and experimenting with their new knowledge.

Critical Content and Group Students as They Progress

ESSENTIALS FOR ACHIEVING RIGOR

Teachers will have the opportunity to strengthen the instructional strategies they currently utilize and uncover what is taught by asking questions and experimenting with their new knowledge.

Deepening Core Instruction

Explore how to manage student response rates with questioning sequence techniques, as well as help students practice skills, examine similarities and differences, analyze their reasoning, and revise their knowledge.

Outcomes:
- Identify appropriate strategies for guiding deeper thinking and plan for the desired result
- Observe the impact of deeper thinking strategies on students in order to adapt instruction
- Plan deeper thinking lessons based on rigorous standards

Prerequisite: None

Product Code: PD000-MEAR-002

Deepening Core Instruction

Learn how to organize students and provide guidance and support as students engage in cognitively complex tasks, such as investigation, problem-solving, experimental inquiry, and decision making.

Outcomes:
- Identify appropriate strategies for facilitating complex learning and plan for the desired result
- Anticipate the guidance and support necessary for complex learning
- Observe the impact of complex learning strategies on students in order to adapt instruction
- Plan lessons for complex learning based on rigorous standards

Prerequisite: None

Product Code: PD000-MEAR-003

Coaching for Implementation (C4I)

Learning Sciences International offers on-site coaching sessions intended as a follow-up to training when an expert consultant facilitates a team of instructional leaders in classroom observation or artifact examination, feedback, and coaching to strengthen the implementation of the Marzano Center Essentials for Achieving Rigor.

Options:
- Classroom Visits: Instructional coaches visit classrooms after which they debrief and learn ways to provide specific feedback using Growth Tracker (max. 5 people)
- Examining Artifacts: Growth Tracker is used to study artifacts (lesson plans, performance scales, student work) to analyze teacher practice (max. 20 people)

Audience (size):
- Teacher Mentors
- Instructional/Curriculum Coaches
- Building Administrators
- Central Office Instructional/curriculum Support

Duration: 1 day

Prerequisites:
- Core Instruction, Deepening Core Instruction, Facilitating Complex Learning

Product Code: PD000-MEAR-004

Instructional Decision-Making

Teachers need to use instructional strategies strategically and efficiently for students to meet rigorous standards. In this session, teachers learn to purposefully select, implement, and align instructional strategies with standards-based performance scales so students can succeed with a rigorous learning progression.

Outcomes:
- Understand how performance scales drive selection of instructional strategies
- Understand how levels of cognitive complexity and student autonomy relate to rigor
- Plan lessons that scaffold to rigorous standards

Prerequisites: Learning Targets & Scales, Monitor & Measure

Product Code: PD000-MEAR-010

Learning Targets & Scales

Successful standards-based planning begins with understanding the complexity of the standards, and building a progression of learning. Participants will create and implement rigorous learning targets and performance scales. They will understand the difference between declarative and procedural knowledge and how they relate to planning, cognitive, and courseware prerequisites required by the standards, and what and how learning targets are used to create a progression of performance levels.

Outcomes:
- Unpack essential and supplemental standards
- Use a taxonomy or cognitive tool (Marzano/Bloom/Webb) to identify levels of cognition required by standards
- Distinguish between a learning target and an activity or assignment
- Use standards to create rigorous learning targets
- Create a scale that describes the levels of performance

Prerequisites: Core Instruction, Deepening Core Instruction, Facilitating Complex Learning

Product Code: PD000-MEAR-005

Monitor & Measure

In this hands-on session, teachers learn how to use rigorous learning targets and performance scales to make instructional decisions and drive formative assessment. Teachers will create formative assessments to track student progress, plan to monitor student learning, and discover how to encourage student ownership of learning.

Outcomes:
- Align assessment and instruction with standards using performance scales
- Use performance scales for formative purposes
- Design assessment tasks to track progress of learning targets
- Help students track their own progress

Prerequisites: Learning Targets & Scales

Product Code: PD000-MEAR-006

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ESSENTIALS FOR ACHIEVING RIGOR

Conditions for Learning
Learn to construct and plan to implement strategies necessary to design a learning environment that provides a foundation for achieving rigor, encourages student autonomy, and enhances instruction. Discover how to select strategies and teach associated cognitive skills, as well as how to tailor to student needs.

Outcomes:
- Plan for the desired results of strategies that set the conditions for learning
- Take student needs and situations into account when planning strategies that set the conditions for learning
- Plan to monitor for the desired results of conditions and strategies in the classroom
- Incorporate cognitive skills while establishing conditions

Prerequisite: None
Product Code: PD000-MEAR-006

Vocabulary for Learning
This hands-on session guides participants through the Marzano six-step process for vocabulary instruction and provides examples of implementation. Participants have an opportunity to plan specific activities that will help them implement each step in their own classrooms.

Outcomes:
- Understand how criteria for success drives vocabulary instruction
- Monitor and track student progress of vocabulary instruction
- Integrate vocabulary instruction into rigorous standards-based lessons
- Plan to monitor students’ understanding of vocabulary term

Prerequisite: None
Product Code: PD000-MEAR-027

Designing Units to Reach Rigor
Help students achieve at the highest level possible by designing a unit using the techniques outlined in previous trainings. Collaborate with others and receive feedback as you put together the lessons learned. In this hands-on session, educators will enhance their toolboxes with instructional strategies and resources.

Outcomes:
- Use standards to create rigorous learning targets and performance scales
- Align assessments with standards using performance scales
- Take student needs and situations into account when planning strategies that set the conditions for learning
- Use performance scales to drive the selection of instructional strategies
- Plan to monitor for the desired result of foundational and deepening strategies
- Plan for predictable challenges of foundational and deepening strategies
- Use a performance scale as a basis for reflective action
- Determine the most effective instructional decisions for students

Duration: 2 days
Prerequisites: Learning Targets & Scales, Measure & Monitor, Instructional Decision-Making
Product Codes: PD000-L5-022-01, PD000-L5-022-02

The training I received was priceless as far as my teaching career is concerned. I will be forever grateful as will my students this year and in the years to come.
— Ellen Miller, Teacher, Florida

Instructional Decision-making for Leaders
Discuss how to support and provide valuable feedback to help teachers develop expertise in instructional decision-making. School leaders will enhance their understanding of the instructional decision-making process in order to more effectively support teachers as they plan to scaffold to rigorous standards in their classrooms.

Outcomes:
- Leaders will be able to provide feedback as teachers
  - Specify instructional strategies in a learning progression to best help students from critical content
  - Evaluate selection and implementation of research-based instructional strategies
  - Plan lessons that scaffold to rigorous standards efficiently and strategically
  - Aligns with Instructional Decision-making for teachers

Audience: (max. 50) Administrators
Duration: 1 day
Product Code: PD000-MEAR-010-L

Vocabulary for Learning
This hands-on session gives teachers techniques, tools, and resources to monitor for learning during a lesson. Participants will have an opportunity to discuss how to provide feedback as teachers create or strengthen targets and scales for the classroom.

Outcomes:
- Teachers will be able to provide feedback as teachers
  - Analyze standards to unpack and establish learning targets
  - Categorize learning targets into levels of cognitive complexity
  - Organize targets into a scale describing levels of expected performance
  - Create a scale that describes the levels of performance
  - Develop an implementation plan for using learning targets, goals, and scales
  - Align with Learning Targets & Scales for teachers

Audience: (max. 50) Administrators
Duration: 1 day
Product Code: PD000-MEAR-004-L

Learning Targets & Scales for Leaders
Learn to provide feedback to support teachers when constructing and implementing rigorous learning targets and performance scales to help students understand what they are learning and drive instructional decisions. School leaders will have the opportunity to discuss how to provide feedback as teachers create or strengthen targets and scales for the classroom.

Outcomes:
- Leaders will be able to provide feedback as teachers
  - Align assessment with standards using performance scales
  - Use performance scales for formative purposes
  - Design assessment tasks to track student progress of each learning target using various types of assessments
  - Help students track their own progress
  - Plan approaches to celebrating student progress
  - Aligns with Monitor & Measure for teachers

Audience: (max. 50) Administrators
Duration: 1 day
Product Code: PD000-MEAR-005-L

Instructional Decision-making
Discuss how to support and provide valuable feedback to help teachers develop expertise in instructional decision-making. School leaders will enhance their understanding of the instructional decision-making process in order to more effectively support teachers as they plan to scaffold to rigorous standards in their classrooms.

Outcomes:
- Leaders will be able to provide feedback as teachers
  - Specify instructional strategies in a learning progression to best help students from critical content
  - Evaluate selection and implementation of research-based instructional strategies
  - Plan lessons that scaffold to rigorous standards efficiently and strategically
  - Aligns with Instructional Decision-making for teachers

Audience: (max. 50) Administrators
Duration: 1 day
Product Code: PD000-MEAR-010-L
Learning Sciences recommends the first PLC day occur after Designing Implementation but before the first Core Instruction session. This PLC day should occur after Monitor & Measure. The second PLC day should occur after Monitor & Measure.

**PLC Facilitator Training**
Teacher leaders will assess their current use of PLCs, learn techniques to support and encourage new and experienced teachers, and identify next steps to mentor and build collaborative learning communities. The characteristics of an effective PLC will be identified as participants take a hands-on approach to establishing a culture of shared responsibility, positively impacting instructional practice and student growth while increasing leadership capacity.

**Outcomes:**
- Responsibilities and skills required for facilitating a successful PLC
- Conditions, purpose, logistics, and work of a PLC
- Stages of team development
- Using common language and performance scales
- Formative and summative assessment to track student progress
- Increased use of student-centered instructional strategies
- Problem-solving enrichment and interventions for students
- Engaging in instructional rounds to observe others

**Recommended Progression:**
- Leadership Team builds an implementation plan during this session
- Whole school participates in Monitoring for Learning, Core Instruction, Learning Targets & Scales, Monitor & Measure, Deepening Core Instruction, and Facilitating Complex Learning
- PLC Facilitator Training and Leadership Team Coaching enhance implementation

**Prerequisites:**
None

**Audience:**
- Teachers Leaders
- Teacher Mentors
- Instructional/Curriculum Coaches
- Building Administrators

**Duration:**
2 Days (not consecutive)

**Product Codes:**
- PD0000-LS-025-01
- PD0000-LS-025-50

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### Leadership Team Coaching (LTC)

**On-site coaching sessions where an expert consultant facilitates examination of artifacts, data analysis, classroom observation, iObservation training, and feedback to strengthen the implementation of the Essentials for Achieving Rigor. Participants discuss the Coaching and Feedback Tool, ways to provide teacher feedback, and next steps in improving their instructional coaching practice. The building administrator receives an individualized session on implementation support and monitoring of anticipated outcomes.**

**Outcomes:**
- Coaching strategies to support teacher implementation
- Viewing virtual classroom visit after which participants share observations and learn ways to provide specific feedback for growth to teachers
- Examining artifacts that accompany the virtual classroom visit
- Renewing Growth Tracker data

**Prerequisites:**
- The corresponding training. For instance, in order to participate in Leadership Team Coaching, Core Instruction, instructional leaders must have participated in the Core Instruction training.
- Growth Tracker license and accounts

**Audience:**
- Teacher Mentors
- Instructional/Curriculum Coaches
- Building Administrators
- Central Office Instructional/ Curriculum Support

**Duration:**
- 1 Day/Session

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### ESSENTIALS FOR ACHIEVING RIGOR

**Raise the Bar for Rigorous Instruction with Enhanced Implementation and a Whole-School Approach to the Marzano Center Essentials for Achieving Rigor.**

**PLC Facilitator Training**

- Teach to Reach for Core Instruction (3-days)
- Teach to Reach for Deepening Instruction with Enhanced Rigorous Instruction (3-days)
- PLC Facilitator Training (3-days)

**Leadership Team Coaching (LTC)**

- PLC Facilitator Training (1-day)
- Leadership Team Coaching (2-days)
- PLC Facilitator Training (1-day)
- Leadership Team Coaching (2-days)

**Outcomes:**
- Strengthen instructional intervention and enrichment.
- Establishing a culture of shared responsibility, positively impacting instructional practice and student growth while increasing leadership capacity.
- Engaging in instructional rounds to observe others.

**Recommended Progression:**
- Leadership Team builds an implementation plan during this session
- Whole school participates in Monitoring for Learning, Core Instruction, Learning Targets & Scales, Monitor & Measure, Deepening Core Instruction, and Facilitating Complex Learning
- PLC Facilitator Training and Leadership Team Coaching enhance implementation

**Prerequisites:**
None

**Audience:**
- Teachers Leaders
- Teacher Mentors
- Instructional/Curriculum Coaches
- Building Administrators

**Duration:**
2 Days (not consecutive)

**Product Codes:**
- PD0000-LS-025-01
- PD0000-LS-025-50

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### ESSENTIALS FOR ACHIEVING RIGOR

**COACHING FOR SUSTAINABILITY**

**WHAT IT IS**

- A competency- and evidence-based coaching certification to develop strong instructional leaders who can lead and sustain instructional initiatives.
- This innovative, five-tier certification will galvanize your district’s leadership coaching to impact teacher practice and student achievement.

**HOW IT WORKS**

- The entire program is developed through our data-focused content modules, it provides results-driven coaching along with tools and technology to support, measure, and sustain the shifts.

**WHAT IT DOES**

- This program leads coaches to the critical instructional shifts required by rigorous standards, building their capacity to support and guide teachers through implementation.
- It helps schools create and sustain leadership coaching programs that serve multiple purposes, improving their use of:
  - Professional development training
  - Coaching practices
  - Professional Learning Communities (PLCs)
  - Support for struggling teachers
  - New teacher inductions
  - Instructional leader development

**PD Progression for Coaching Certification**

1. Orientation
   - Monitoring for Learning
   - Teaching Foundations
2. Coaching for Evidence of Rigor
   - Guiding Deeper Thinking
   - Goals & Scales
3. Coaching for Evidence of Rigor
   - Monitor & Measure
   - Facilitating Complex Learning
4. Coaching for Evidence of Rigor
   - Instructional Decision-making
   - Teach to Reach
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Creating & Using Learning Targets & Performance Scales
How Teachers Make Better Instructional Decisions
Authors: Carla Moore, Libby H. Garst, Robert J. Marzano

Wouldn't it be great for teachers to have easy-to-implement instructional techniques for helping students understand learning targets embedded in performance scales—and even to generate their own scales? In this practical guide, the authors provide educators with research-based tips to effectively plan, scaffold instruction, and monitor for deeper learning.

$19.95
Pages: 136
BPP140001
ISBN: 978-1-941112-01-4

Engaging in Cognitively Complex Tasks
Classroom Techniques to Help Students Generate & Test Hypotheses Across Disciplines
Authors: Deana Senn, Amber C. Rutherford, Robert J. Marzano

Rigorous standards call for students to not only learn content but also to generate and test hypotheses based on what they’ve learned to deepen their understanding. This level of engagement in cognitively complex tasks requires teachers to be skilled at using key instructional strategies—which are clearly outlined in this practical guide—to help students think critically and meet the rigorous demands of college and career.

$19.95
Pages: 128
BPP140010
ISBN: 978-1-941112-09-0

Examsimulating Reasoning
Classroom Techniques to Help Students Produce and Defend Claims
Authors: Tracy L. O’cain, Robert J. Marzano

A cornerstone of rigorous learning is having the ability to recognize when one’s own logic is flawed. That’s not an easy skill to teach, but this book tackles it brilliantly. The authors provide teachers instructional techniques, adaptations for various student populations, and real-world examples that can model in their classrooms to help students examine their own reasoning.

$19.95
Pages: 112
BPP140007

Examining Similarities & Differences
Classroom Techniques to Help Students Deepen Their Understanding
Authors: Connie Scales West, Robert J. Marzano

Once learners can identify critical content, they need to be able to address the “big ideas” of that content and create metaphors and analogies around it. This book provides instructional techniques, practical examples, and classroom activities to help students effectively compare and classify information, using their prior knowledge, to deepen their understanding.

$19.95
Pages: 128
BPP140006

Organizing for Learning
Classroom Techniques to Help Students Interact Within Small Groups
Authors: Deana Senn, Robert J. Marzano

Structured groups, peer response groups, paired practice, and partner discussions can help deepen students’ understanding, but teachers must be skilled at planning and organizing truly effective small-group activities. This book provides techniques to help teachers interact productively within collaborative settings as they reflect on learning in small groups.

$19.95
Pages: 124
BPP140003
ISBN: 978-1-941112-02-1

Processing New Information
Classroom Techniques to Help Students Engage With Content
Authors: Tzeporah Sahadeo-Turner, Robert J. Marzano

To provide rigorous instruction, teachers need a solid understanding of how new information is going to be disseminated to the students. This book offers easy-to-implement instructional strategies to help students effectively process and store new information.

$19.95
Pages: 120
BPP140004
ISBN: 978-1-941112-03-8

Revising Knowledge
Classroom Techniques to Help Students Examine Their Deeper Understanding
Authors: Ria A. Schmidt, Robert J. Marzano

Can your students effectively revise their knowledge? As students work to deepen their own understanding of content, they are continually revising what they know. With this instructional guide, teachers learn how to help them do so deliberately—using visual tools, written work, and academic notebooks—to make the essential revisions that prepare them for even deeper learning.

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Pages: 136
BPP140005
ISBN: 978-1-941112-08-3

The Essentials for Standards-Driven Classrooms
A Practical Instructional Model for Every Student to Achieve Rigor
Authors: Carla Moore, Michael D. Toth, Robert J. Marzano

The Essentials for Achieving Rigor model of instruction and corresponding series of books were developed to help teachers provide a caliber of truly rigorous instruction. This guide, developed by authors of the Essentials series, brings it all together, with valuable tips and guidance to help teachers leverage essential strategies to:
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Get a big-picture view of the Essentials model. This guide empowers educators and leaders to transform their schools into thriving, sustainable communities of practice.

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QUICK REFERENCE GUIDES

Efficiency and convenience make it much easier to deliver rigorous, standards-based instruction. These durable, easy-access reference guides put the Marzano framework right at any educator’s fingertips. Each guide is protected with glossy, high-quality lamination and three-hole punched to fit into your grade book, planner, or binder.

**Rigor/Standards-Based Teaching Map**

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**Taxonomy Crosswalk**

Quickly look up question stems, products, terms, and phrases that take learners from retrieval and comprehension to analysis and knowledge utilization. This guide, which opens to 11”x25.5”, includes a clear and concise crosswalk chart that compares the taxonomies of Bloom, Webb, and Marzano.

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ISBN: 978-1-941112-43-4

**Learning Map/Desired Results**

Need quick access to the Marzano model? Teachers and observers alike can easily refer to every strategy and design question in Domains 1–4 of the learning map, along with the desired effect for each. This handy reference guide opens to 11”x17” and folds to fit into any grade book or planner.

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ISBN: 978-1-941112-44-1

**Cascading Domains of Influence**

Beginning with a clear illustration of the Marzano hierarchical evaluation system, this four-page reference guide unfolds to 11”x17”. A must-have for superintendents, principals, and assistant principals, it comes complete with the learning maps associated with the Marzano district leader and school leader evaluation models.

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ISBN: 978-1-941112-45-8

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- Access standards from all 50 states
- Discover clear evidence of learning for each target
- Share data for improved collaboration and planning with colleagues
- Easily monitor student progress on any tablet or smartphone
- Know immediately whether instruction is effective and adjust on the fly
- Prioritize class time to maximize learning
- Strengthen Tier 1 instruction across all classrooms

**ENSURE ALL STUDENTS HIT DAILY LEARNING TARGETS**

- Access standards from all 50 states
- Discover clear evidence of learning for each target
- Share data for improved collaboration and planning with colleagues
- Easily monitor student progress on any tablet or smartphone
- Know immediately whether instruction is effective and adjust on the fly
- Prioritize class time to maximize learning
- Strengthen Tier 1 instruction across all classrooms

**RELATED RESOURCES**

Pair the Standards Tracker with Growth Tracker to achieve teacher growth in a safe, evaluation-free zone.

For even more reinforcement, we recommend PD: The Essentials for Achieving Rigor and Strategic Formative Assessment. Streamline your results with iObservation.

**Standards Tracker Implementation Plan**

**Leadership Support**

**Teacher PD**

**Teacher Coaching**

**Follow Up Coaching for Implementation of PD**

**Implementation Treatment for Student Learning Gains**
Why Formative Assessment Should be a Priority for Every School

There is growing evidence that helping teachers develop their use of minute-by-minute, day-by-day formative assessment is one of the most powerful ways to improve student learning.

- Studies show up to 75% increases in student learning when teachers master formative assessment strategies.
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- Strategic formative assessment asks teachers, students, and their peers to elicit, interpret, and use evidence of student learning to make the most effective decisions about next steps in instruction.

Dylan Wiliam, PhD, is an internationally recognized leader in the development of effective, research-based formative assessment strategies and practical techniques. His books, articles, school consultations, workshops, and conference presentations on formative assessment and Teacher Learning Communities (TLCs) have profoundly impacted teacher professional practice and student learning worldwide.

In partnership with Learning Sciences International, Dr. Wiliam provides valuable guidance for embedding formative assessment into classroom practice. Through training, hands-on practice, and collaboration within TLCs, the Learning Sciences Dylan Wiliam Center helps educators develop and build formative assessment strategies that can significantly build teacher capacity and impact student achievement.

STRATEGIC FORMATIVE ASSESSMENT PD PACK

Based on the research of renowned education authority Dr. Dylan Wiliam and produced by the Learning Sciences Dylan Wiliam Center, the Strategic Formative Assessment PD Pack takes educators on a deep dive into formative assessment with high fidelity that results in increased student achievement. It allows teachers to keep doing what they already know works—without interrupting the learning to give a test.

This package of full-day workshops, delivered by certified Dylan Wiliam Center staff developers, goes deep into the five key strategies of formative assessment and activates the techniques teachers can use to help all students think critically, preparing them to thrive in their future workplaces. Coaches will learn to provide targeted feedback to support teachers as they assess tasks and adapt instruction based on student evidence.

This PD Pack Includes:

- **Workshop: Setting the Destination for Strategic Formative Assessment**
  - Teachers must be clear about what they are taking students in order to find out how well they are learning. The first of three Strategic Formative Assessment modules for teachers, this session focuses on how teachers establish clear learning intentions while helping students understand the criteria for success. Participants will discover how to create learning environments that produce successful, confident students and increased achievement.
  - **Product Code:** PD000-002

- **Workshop: Navigating the Journey for Strategic Formative Assessment**
  - To teach well, educators need to find out what students already know. In other words, they must elicit evidence of learning. The second of three Strategic Formative Assessment modules for teachers, this session provides tools to help teachers plan techniques and hinge questions that engage students in productive intellectual discussion. It also covers interpreting evidence, using it to adjust instruction, and providing meaningful feedback that moves learners forward.
  - **Product Code:** PD000-006

- **Workshop: Empowering Students for Strategic Formative Assessment**
  - When teachers assess one another’s progress, it doesn’t just save work for teachers; when implemented properly, students working together can substantially improve learning. The third Strategic Formative Assessment module for teachers shows participants how to facilitate active learning and support students on their journey to critical thinking, increased rigor, and higher achievement. Teachers learn how to use hinge questions, discussions, and activities not to catch students, but to diagnose and determine next steps.
  - **Product Code:** PD000-008

Coaching Days: Strategic Coaching

During these on-site coaching sessions, a certified Learning Sciences Dylan Wiliam Center expert consultant facilitates classroom observation and feedback and/or coaching to strengthen Strategic Formative Assessment implementation from teachers to instructional leaders to administrators. The coaching days are intended as a follow-up to training to support instructional leaders as they provide feedback to teachers in the implementation of strategies and techniques.

**Applicable to all Strategic Formative Assessment PD Pack workshops**

- **Audience:** (max. 50 people)
  - Teachers/Instructional Staff
  - School Leaders
  - District Administrators
- **Duration:** 1 day
Leadership for Teacher Learning
Author: Dylan Wiliam
Leading education authority Dylan Wiliam explains how formative assessment, when applied properly, helps to increase student achievement. He presents compelling research about changes in classroom practice that are likely to increase learning, differentiated instruction, response to intervention, group leadership, and transforming student achievement. The authors provide guidance on using the specific techniques, along with tips, cautions, and enhancements to sustain formative assessment.

Quick reference guide available (below).

$29.95  Pages: 288
ISBN: 978-1-941112-29-8

Assessment Team Power Kit
The Assessment Team Power Kit is a set of key professional development tools focused on assessment best practices. Designed to assist teachers and leaders in raising student achievement and engagement, this unique collection helps education teams power up their practices and turn around the negative emotions and poor outcomes associated with testing. Each team member receives a personalized library for intensive team study and job-embedded learning, including research-based books by favorite education experts and quick reference guides that make it easy to apply key takeaways to classroom practice. Teams learn how to:

Select and implement the right assessment techniques for every situation, including pre-assessing learning before lessons.
Use on-the-spot classroom learning checks.
Design rubrics and select tasks for performance assessments.
Engage students with their own progress.

Contains 255 units to outfit 25 teams and 5 group-study leaders.

Quick summaries of the most effective formative assessment techniques for each of five key instructional strategies.

Guidance for incorporating performance assessment into planning, designing, and selecting rubric templates and tasks and using performance assessment for both formative and summative purposes.

Leaders can also use teacher feedback about their resources to pinpoint areas of continued professional development or group studies with related books.

Contains 150 guides to outfit 50 teachers:

(30) Leadership for Teacher Learning (book)
(30) Brain-Friendly Assessments (book)
(30) Embedding Formative Assessment (book)
(30) Performance Assessment (book)
(30) Performance Assessment Quick Reference Guide

$869.75  ISBN: 978-1-941112-28-7

Assessment Quick Reference Pack
Filled with helpful charts, lists, and calculators, the Assessment Quick Reference Pack makes it easy for teachers to find strategies, remedies, and cues for making assessment a powerful, positive piece of the instructional cycle. Developed by education experts for experienced teachers and now to the classroom, this pack outfits 50 teachers with three reference guides on critical assessment best practices. This pack gives teachers:

Quick summaries of the most efficient formative assessment techniques for each of five key instructional strategies.

Guidance for incorporating performance assessment into planning, designing, and selecting rubric templates and tasks and using performance assessment for both formative and summative purposes.

Quick summaries of the most effective formative assessment techniques for each of five key instructional strategies.

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(30) Leadership for Teacher Learning (book)
(30) Brain-Friendly Assessments Quick Reference Guide
(30) Embedding Formative Assessment Quick Reference Guide
(30) Performance Assessment Quick Reference Guide

$372.75  ISBN: 978-1-941112-27-0
Engaging the Rewired Brain
Author: David A. Sousa
Technology is transforming the human brain. Students are engaging with new information in different ways, so educators must shift their instructional practice accordingly. In Engaging the Rewired Brain, best-selling educational neuroscience author Dr. David A. Sousa looks at how technology changes the way young people’s brains function and how educators can adapt instruction to keep students motivated to learn.

Performance Assessment: Showing What Students Know and Can Do
Author: Susan M. Brookhart
Brookhart breaks down the components of performance assessment so teachers know how to use performance tasks and rubrics to support formative and summative assessment. The pack includes the book Performance Assessment: Showing What Students Know and Can Do and an at-a-glance reference guide with easy-to-reference lists, charts, and infographics on how to make performance assessment a routine part of instruction.

Brain-Friendly Assessments: Performance Assessment Pack
Author: Susan M. Brookhart
The Performance Assessment Pack combines two great resources that give teachers a deeper understanding of performance assessment in order to gauge how well students are learning. With practical, research-based information, author Susan M. Brookhart breaks down the components of performance assessment so teachers know how to use performance tasks and rubrics to support formative and summative assessment. The pack includes the book Performance Assessment: Showing What Students Know and Can Do and an at-a-glance reference guide with easy-to-reference lists, charts, and infographics on how to make performance assessment a routine part of instruction.

Brain-Friendly Assessments
Author: David A. Sousa
This book guides teachers as they work to determine what, whom, where, and how to assess. Best-selling author David A. Sousa empowers teachers with valuable research findings from educational neuroscience as he describes critical factors to consider when designing and selecting assessment techniques to accurately gauge how well students learn and retain information.

Performance Assessment
Quick Reference Guide
Author: David A. Sousa
Based on David A. Sousa’s fascinating book, this four-page quick reference guide gives teachers at-a-glance information on per-assessments, formative assessments, and summative assessment, along with specific ways to use each type to ensure that all students are learning. It also provides a checklist to help teachers design brain-friendly assessments of student performance.

Leading School Improvement
A Framework for Action
Author: Joseph Murphy
In this inspiring, insightful, research-based book for principals and aspiring principals, author Joseph Murphy identifies key factors that shape the future of any school. Focusing on principles and values that help create truly powerful learning environments, Murphy explains the work that leaders must do to ramp up academic press and foster a supportive school culture.

Plane-Friendly Assessments
Quick Reference Guide
Author: David A. Sousa
The Brain-Friendly Assessments Pack by Dr. David A. Sousa provides teachers in all grade levels with a set of tools to help them know what, whom, where, and how to assess. This convenient pack includes the in-depth book Brain-Friendly Assessments: What They Are and How to Use Them and a four-page companion quick reference guide. Together they empower teachers with critical factors to consider when designing and selecting assessment techniques to accurately gauge how well students learn and retain information.

10 Principal’s Principles for High Performance in Diverse, Low-Income Schools
Quick Reference Guide
Author: Lillie G. Jessie
Something magical happens when teachers and students believe they can achieve at high levels—they do. This quick reference guide helps principals build lasting trust in modeling a school-wide culture of high expectations. It provides a goldmine of practical tips, exploring the use of research-based strategies and reality-based practices to plant the seeds of academic achievement.

Performance Assessment: Quick Reference Guide
Author: Susan M. Brookhart
Performance assessment helps teachers gauge how well students can use their knowledge. This six-page quick reference guide, based on Susan M. Brookhart’s book, gives teachers at-a-glance guidance for incorporating performance assessment into planning, designing and selecting rubric templates and tasks, and using performance assessment for both formative and summative purposes.

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Who Moved My Standards? Joyful Teaching in an Age of Change: A SOAR-ing Tale
Author: Michael D. Toth
A touching parable that inspires educators to tackle rigorous new standards with renewed confidence and enthusiasm. Teaching becomes easier and much more enjoyable as students take responsibility for their own learning and the learning of their peers. This engaging story will help educators and learners soar higher and farther than they ever imagined. Quick reference guide available (below).

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BPP160004 ISBN: 978-1-943920-03-7

SOAR Quick Reference Guide
Author: Michael D. Toth
This laminated two-sided guide is a popular component of the SOAR school-year theme kit. Based on Michael D. Toth’s book, Who Moved My Standards? Joyful Teaching in an Age of Change, it gives teachers easy access to the SOAR rubric with corresponding student evidences, empowering them to shift to real-world applied classrooms. Comparison book available (above).

$4.95

SOAR School-Year Theme Kit
Author: Michael D. Toth
Boost morale and guide important conversations with a message that inspires everyone to soar! The SOAR Kit includes two copies of a teaching parable about equipping students for the challenges they’ll face in college and the global workplace, coloring pages, activity ideas, 10 posters, five laminated quick reference guides, and three notepads.

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Response to Intervention
Quick Reference Guide
Author: William N. Bender
William Bender moves beyond the three-tier intervention pyramid teachers know in this handy four-page laminated guide. He expands on the intervention levels, helping teachers integrate project-based learning with STEM, modify strategies to meet the needs of each learner, use engineering design principles to focus on real-world problems, and emphasize teamwork and collaboration around rigorous math and science content.

$6.95  Pages: 4
BPP160003  ISBN: 978-1-941112-82-3

20 Disciplinary Strategies for Working With Challenging Students
Author: William N. Bender
Fair, effective disciplinary strategies are essential in every classroom. Educators need practical, research-based strategies to manage difficult situations. 20 Disciplinary Strategies for Working With Challenging Students provides easy-to-implement solutions—such as flipped, technology-based, and project-based classroom formats, as well as RTI behavioral improvement programs—to improve disciplinary practice.

With an emphasis on recent issues and trends, this book offers practical tips and describes the research foundation for each tactic, focusing on real-world problems, and emphasize teamwork and collaboration around rigorous math and science content.

$29.95  Pages: 256

Differentiated Instruction
Quick Reference Guide
Author: William N. Bender
This four-page laminated quick reference guide puts differentiated instruction at any teacher’s fingertips. It displays models of differentiated instruction with activities that can be done among peers, individually, or with a teacher. It also outlines ways to modify lesson plans and use with flipped classrooms and project-based learning approaches.

$6.95  Pages: 4
BPP160004  ISBN: 978-1-941112-81-6

The FIVES Strategy for Reading Comprehension
Quick Reference Guide
Authors: Mary Shea, Nancy Roberts
In this quick reference guide, teachers are introduced to the FIVES, a literacy strategy designed to strengthen students’ comprehension of facts, inferences, vocabulary, experiences, and summary. Teachers will learn the eight steps to successfully teach the FIVES, and how to create worksheets and rubrics so students develop a love of reading along with real-world skills.

$6.95  Pages: 4
BPP170006  ISBN: 978-1-943920-17-4

iPads in the Classroom
From Consumption and Curation to Creation
Authors: Tom Daccord, Justin Reich
Explore the tremendous opportunity that iPads present to help teachers rethink the design of learning environments to best suit the needs of their students. Transform schools and change students’ lives with differentiated, purposeful learning that helps them develop the real-world skills they’ll need for success in college and the global workplace.

$24.95  Pages: 136

20 Strategies for STEM Instruction
Author: William N. Bender
Teachers of all grade levels are moving into STEM (Science, Technology, Engineering, and Mathematics) instruction, but time constraints and heavy workloads can make the transition difficult. In 20 Strategies for STEM Instruction, author William N. Bender Ph.D. provides customizable, step-by-step guidelines for teaching strategies shown to strengthen STEM instruction.

Exploring the latest trends and teaching techniques, Bender highlights research evidence and offers practical advice to help teachers integrate project-based learning with STEM, modify strategies to meet the needs of each learner, use engineering design principles to focus on real-world problems, and emphasize teamwork and collaboration around rigorous math and science content.

$29.95  Pages: 272
BPP160002  ISBN: 978-1-941112-78-6

Competency-Based Strategies
Quick Reference Guide
Author: Toby J. Karten
This companion two-sided quick reference guide Inclusion Mastery: Competency-Based Strategies is hardy, on-the-spot tool of the book’s most important classroom applications. Teachers will find tips on how to use competency-based strategies that encourage goal setting, collaboration, and organization while focusing on each student’s strengths instead of their disabilities. Available in four grades: K-2, 3-5, 6-8, and 9-12.

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BPP160014  ISBN: 978-1-943920-12-9 (K-5)

$4.95  Grades: 6-8
BPP160015  ISBN: 978-1-943920-13-6 (6-8)

$4.95  Grades: 9-12
BPP160016  ISBN: 978-1-943920-14-3 (9-12)

Inclusion Mastery: Competency-Based Strategies
For Students & Staff
Author Toby J. Karten
Karten highlights the ADWARE strategic approach, focusing on ways to assess, actuate, decide, delineate, model, monitor, instruct, involve, reflect, revise, engage, and enrich students and staff with the standards. Every student deserves access to a quality education, viable postsecondary options, and core knowledge. With collaborative planning, a deep understanding of rigorous standards, and Karten’s valuable guidance, any school can proficiently provide just that.

$24.95  Pages: 216
BPP150701  ISBN: 978-1-941112-32-8

The FIVES Path to Full Comprehension
Part 1: From Consumption to Curation
Author: Mary Shea
The FIVES Path to Full Comprehension connects to specific standards to develop high levels of comprehension in all learners. This book wakes educators through helping students develop authentic, real-world skills, focusing on Facts, Inferences, Vocabulary, Experience, and Summary and apply acquired knowledge to write coherent paragraphs and essays.

$27.95  Pages: 200
BPP160001  ISBN: 978-1-943920-01-3

Inclusion & CCSS Supports for Students & Staff
Author: Toby J. Karten
The companion two-sided quick reference guide Inclusion Mastery: Competency-Based Strategies is hardy, on-the-spot tool of the book’s most important classroom applications. Teachers will find tips on how to use competency-based strategies that encourage goal setting, collaboration, and organization while focusing on each student’s strengths instead of their disabilities. Available in four grades: K-2, 3-5, 6-8, and 9-12.
Literacy Quick Reference Pack

Help teachers find the most important strategies during instruction. The Literacy Quick Reference Pack bundles three laminated literacy guides for building passionate, skilled readers. They are full of engaging infographics, charts, and tips that condense key elements of literacy—the building blocks of all other learning. Teachers can easily reference proven strategies to:

- Develop students’ ability to connect ideas, use references, self-monitor, engage with others, find related sources, resist distractions, and increase comprehension
- Help students use spelling, writing, vocabulary, and self-reflection to blend sounds into words, segment words into sounds, and use context and analogies to determine word meaning
- Recognize key components of fluency and apply assessment and engagement techniques to gauge, develop, and accelerate the level of fluency in learners

- Know when and how to plan intervention for students who struggle

Through teacher feedback about these guides, leaders can determine which areas of professional development are most necessary and when teams are ready to move deeper into book studies.

Contains 150 units to outfit 50 teachers:

(50) Seven Thinking Hats of Skilled Readers Quick Reference Guide
(50) Building Literacy Piece by Piece Quick Reference Guide
(50) Fluency Quick Reference Guide

$869.75 UMP170010 Volume discount unavailable for this item.

SAVE $186.38 over regular price when sold separately!

Also available separately. See LearningSciences.com/books for details.

Literacy Team Power Kit

The Literacy Team Power Kit is a strategic collection of professional development resources for intensive team study and job-embedded learning designed for groups of 25 teachers and five leaders. It will empower teams with tools and techniques to ensure every child develops literacy skills and a passion for reading. Each team member receives a personal library on literacy instruction they’ll turn to again and again. Together these tools build a solid foundation in best practice while ensuring new strategies get implemented fast.

Contains 125 units to outfit 25 teachers and 5 group-study leaders:

(5) Cultivating Coaching Mindsets (book)
(30) Seven Thinking Hats of Skilled Readers Quick Reference Guide
(30) Building Literacy Piece by Piece Quick Reference Guide
(30) Fluency Quick Reference Guide

$1,231.13 UPAK170009 Volume discount unavailable for this item.

SAVE $527.63 over regular price when sold separately!

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Save 30% on the TEAM Power Kit when you buy a Fluency Kit and seven Thinking Hats of Skilled Readers Kit separately.

Teacher Quick Reference Pack

Quick reference guides are teacher-friendly, on-the-go utilities that make it easy to find best-practice solutions to common classroom issues. With infographics and relational visuals that break down theory on instruction, behavior management, assessment, and more into bite-sized chunks, teachers can keep lessons moving.

The Teacher Quick Reference Pack outfits 25 teachers with a personal library of eight tools loaded with strategies on critical issues such as building literacy skills, creating rigorous learning tasks, differentiating instruction and the RTI process, using assessment wisely, and successfully responding to angry parents and challenging kids, among others.

Designed for both novices struggling to master all aspects of teaching and veteran teachers looking for new strategies, this pack will help teachers:

- Stay focused on the most important aspects of effective instruction and assessment
- Handle challenging situations with students and parents
- Deepen classroom use of techniques recommended by experts

As a bonus, leaders can use teacher feedback about which guides are the most valuable to help determine where to focus ongoing professional development or to go deeper in a team book study.

Contains 200 guides to outfit 25 teachers:

(25) How to Deal With Angry Parents Quick Reference Guide
(25) Differentiated Instruction Quick Reference Guide
(25) Response to Intervention Quick Reference Guide
(25) Seven Thinking Hats of Skilled Readers Quick Reference Guide
(25) Embedding Formative Assessment Quick Reference Guide
(25) Performance Assessment Quick Reference Guide
(25) Normative Crosswalk Quick Reference Guide

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Also available separately. See LearningSciences.com/books for details.

How to Deal With Angry Parents

Whether you’re a teacher or an administrator, one of the most stressful (and inevitable) aspects of your job is dealing with angry parents. Keep this six-page laminated quick reference guide handy and you’ll always be prepared with strategies that help you keep the emphasis on being proactive rather than reactive.

How to Engage Students Who Act Out

Every teacher encounters students who act out. This laminated quick reference guide provides a four-step approach for solving behavior problems in an effective and sustainable way. It helps teachers accurately diagnose and analyze problems, optimize the classroom and school structures, make students feel honored and respected, and encourage and reward positive behavior.

Differentiated Instruction

This four-page laminated quick reference guide puts differentiated instruction at any teacher’s fingertips. It displays models of differentiated instruction with activities that can be done among peers, individually, or with a teacher. It also outlines ways to modify lesson plans and use with flipped classrooms and project-based learning approaches.

Response to Intervention

This handy four-page laminated guide addresses the three-tiered intervention levels, helping teachers move students through interventions and determine the exact level of intensive instruction that each student needs to accelerate learning.

Seven Thinking Hats of Skilled Readers

To become skilled at reading challenging text, students need to routinely use a set of seven cognitive strategies, or “thinking hats.” This quick reference guide helps teachers develop students’ ability to connect ideas, use references, self-monitor, engage with others, find related sources, resist distractions, and increase their comprehension with visuals.

Embedding Formative Assessment

This quick reference guide clearly illustrates how teachers, peers, and learners can use Dr. Dylan Wiliam’s five key formative assessment strategies to determine where learners are, where they’re going, and how to get there. It includes at-a-glance question shells and alternatives to teacher questions to keep all students engaged in their learning.

Companion book available (see LearningSciences.com/books for details)

Performance Assessment

Performance assessment helps teachers gauge how well students can use their knowledge. This six-page quick reference guide, based on Susan M. Brookhart’s book, gives teachers at-a-glance guidance for incorporating performance assessment into planning, designing and selecting rubric templates and tools, and using performance assessment for both formative and summative purposes.

Companion book available (see LearningSciences.com/books for details)

Taxonomy Crosswalk

Quickly look up question items, products, terms, and phrases that take learners from minimal and comprehension to analysis and knowledge utilization. This six-page laminated guide, which opens to 11” x 17”, includes a clear and concise crosswalk chart that compares the taxonomies of Bloom, Webb, and Marzano.

Pairs well with the Essentials for Achieving Rigor series (back of brochure).
DATA ANALYSIS AND LEADERSHIP

Making sense of all of your data can be overwhelming. Our experts can help you analyze the present facts so you can make informed decisions about the future.

**RigorWalk™**

The LSI RigorWalk needs analysis service helps school leadership teams gain powerful insight and the actionable data you need to create a road map for whole-school improvement. During a RigorWalk, a Learning Sciences consultant meets with school leadership to collect information about current processes, policies, and systems that impact teaching indicators of teacher practice and student learning. LSI then helps the leadership team identify support structures that will best impact teaching and learning.

Research indicates that each of the following Pillars of Rigor must be in place to meet the demands of rigorous new standards, including Common Core:

- Culture of continuous improvement
- Rigorous, standards-based instruction
- Autonomous, student-driven learning
- Effective formative assessment
- Learning-centered data systems

**Benefits**

With targeted, building-specific focus areas, RigorWalk finds root causes that impact a school’s delivery of standards-based instruction. Here are some of the things this research-based, results-driven tool will do for your school:

- Compare the current level of rigor to the requirements of standards
- Find barriers to creating rigorous classrooms and subgroup achievement
- Identify classroom practices that need improvement
- Ascertain a principal’s capacity as an instructional leader
- Provide an objective view of learning in underperforming schools
- Show the impact of initiatives and professional development on instruction and leadership
- Deliver actionable feedback and reliable data to drive improvement planning

**RigorWalk Formats:**

- RigorWalk Experience (half-day/school)
- Each school receives classroom visits and debrief of data
- RigorWalk (full day/school)
- Classroom visits, leadership team discussion, and virtual data review and presentation

**Prerequisite:** None

**Audiences:** Cabinet-level members and school leadership

**DATA ANALYSIS**

**IRR Analysis and Report Writing**

The IRR Scoring and Feedback Assessment report measures observers’ scoring knowledge and aptitude when assessing teacher effectiveness. Our research team will provide feedback and recommendations to address the precise needs of observers in districts.

**Audience:** Districts

**Prerequisite:** IRR Scoring and Feedback Assessment

**Delivery Options:**

- Face-to-face half-day with written report and presentation
- Virtual presentation with written report: two-hour webinar
- Written report only (available after receiving initial report with either virtual or face-to-face presentation)

**Product Codes:** PD000-R010, PD000-R011, PD300-R010, PD300-R011

**Observation Data Analysis and Report Writing**

Let us help you analyze the results of your classroom observations in iObservation. Our research team will provide specific recommendations to improve the overall effectiveness of teachers in your district. This report also helps districts make strategic decisions about teacher observer performance, scoring distributions, and comment usage.

**Audience:** Districts

**Prerequisite:** Observation Data

**Delivery Options:**

- Face-to-face half-day with written report and presentation
- Virtual presentation with written report: two-hour webinar
- Written report only (available after receiving initial report with either virtual or face-to-face presentation)

**Product Codes:** PD000-R110, PD000-R111, PD300-R110, PD300-R111, PD600-R110, PD600-R111

Learning Sciences International is a leading developer of customized research projects for teacher and school leader effectiveness.

**RESEARCH SERVICES**

**Is your teacher evaluation system working?**

Each school and district has unique needs. Our expert researchers and consultants are well-equipped to provide accurate, high-quality data that you can use to plan powerful and effective programs and interventions tailored for your schools.

**Do you need insight regarding:**

- Research and program evaluation to help you make your school and district programs truly effective?
- Schools that are resistant to reform?
- Teacher evaluation data to accurately gauge progress regarding teacher growth and student achievement?
- Multiple measures of teacher effectiveness?
- Student perception surveys?

**Effective data analysis, documentation, and reporting**

The research team at Learning Sciences International will show you how to analyze, document, and report your data to generate the maximum impact in your schools. Together, we will identify root causes and determine the best implementation plan for your teachers and students.

**We know you set high standards**

Our research services are comprehensive, accurate, and customizable to your needs. Learning Sciences International is a leading developer of personalized research projects for teacher and school leader effectiveness.

**RESEARCH AND DATA ANALYSIS**

**Marzano Center Student Learning Objectives**

Traditional Student Learning Objectives (SLOs) are measurable, long-term academic growth targets that teachers set at the beginning of the year. While SLOs aim to demonstrate a teacher’s impact on student learning, traditional SLOs do not provide formative feedback to teachers while students are still in their classes. The purpose of the Marzano Center SLOs is to provide immediate feedback to teachers on how their students are performing on the standards. Participants drive into this method of adjusting teaching and learning while students are still in their classrooms.

Call (717) 845-6100 for more information.

**Student Surveys**

Research shows that information from student surveys, combined with data from classroom observations, is a strong predictor of student achievement gains. Through our student surveys, teachers can identify areas where their practice needs improvement, and where and why classroom strategies are working well. They give teachers and administrators a full, accurate picture of a host of critical factors that impact student achievement, so educators know whether students are:

- Understanding the subject matter
- Making connections to subsequent content
- Staying engaged in learning
- Feeling safe and valued at school

Survey items align with high-probability, research-based elements in the Marzano Teacher Evaluation Model and Marzano Center Essentials for Achieving Rigor model of instruction. Data are assessed to determine areas of strengths and growth to inform professional development, which could ultimately lead to increased academic achievement.

**Note:** Pricing is configured by the number of participating students, teachers, and schools.

Call (717) 845-6100 for more information.
iObservation is the leading observation technology platform that offers an interactive web-based data management system for classroom walkthroughs and teacher and leader evaluation. It manages the data collection process so schools can focus on effective teaching and learning. Customization offers flexibility for alignment with your current focus or initiatives.

**iObservation Fidelity Modules**

iObservation Fidelity Modules help evaluators calibrate, assess, and certify observer accuracy. The training includes master-scored classroom videos that districts can use to proctor sections as they measure and analyze observer accuracy. Two types of module formats, unsecure and secure, facilitate evaluation.

In the unsecure module format, a master scoring team, led by Dr. Robert Marzano, provides correct answers to improve scoring rationale and calibration.

In the secure module format, the answer key remains secure, allowing a district to use the same assessment multiple times.

**Outcomes:**
- Improve observer scoring calibration
- Provide observers with additional resources to promote improvements in their observation skills and accuracy levels
- Guard against scoring drift

**Audience:** Observers

**Duration:** 1-Year License

**Prerequisite:** Session managers must attend a one-hour virtual tour. They will receive supporting documents, including the Session Management Quick Start Guide and Participant Quick Start Guide.

**Product Codes:** IO000-10, IO500-M, IO500-M-20, IO500-M-21, PD300-03, IO000-91

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School and district leaders are constantly in classrooms using this tool, and it is transforming the entire culture.

— David Schauer, Superintendent, Kyrene School District, Arizona

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**PROFESSIONAL DEVELOPMENT & OBSERVATION/EVALUATION SOFTWARE**

**WHY SHOULD YOU USE IOBSERVATION?**

**IT’S EASY.**

Take the guesswork out of walkthroughs, observations, and evaluations with digitized forms and built-in resources.

**IT’S EFFICIENT.**

Time-saving organizational and data management tools to maximize observer effectiveness.

**IT’S EFFECTIVE.**

Comprehensive planning and training support along with targeted professional development and real-time data reports connect teacher and leader performance to student achievement.

1.877.411.7114
iObservation.com

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LSI has always been about people... helping teachers grow, leaders improve, and students succeed. We’re also about building strong, lasting relationships, nurturing goodwill in the community, and maintaining a stellar reputation as a trustworthy, supportive force in education.

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Orders can be faxed to 724.299.8133 or emailed to orders@learningsciences.com.

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Formative Assessment in a Brain-Compatible Classroom
How Do We Really Know They're Learning?

Author: Marcia L. Tate

How can students knock the top off any test? That’s one of the 14 key questions that Dr. Marcia L. Tate answers in Formative Assessment in a Brain-Compatible Classroom: How Do We Really Know They’re Learning? Although teachers find some types of assessments difficult to grade, these assessments are often the only way to know how well certain students are learning. Tate describes the theories behind various assessment types and addresses specific ways to create brain-compatible learning environments that foster high achievement.

Throughout the book, she guides educators in identifying where to begin in the formative assessment process and how to proceed as they develop expertise in:

- Writing quality selected- and constructed-response test items
- Building effective questioning that shows student learning
- Understanding what students know before, during, and after lessons
- Using checklists and rubrics to assess student learning
- Leveraging group work, peer assessment, and self-assessment

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