The evidence-based impacts we’re seeing on student achievement are great. Thanks to LSI’s Ignite Core Instruction Series, we now see students challenging and questioning each other about concepts and getting to the higher levels of rigor. It’s incredibly powerful.

Dr. Tawana Grover, Superintendent
Grand Island Public Schools
Nebraska
Professional Development with Purpose

As technology has transformed the workplace and economy, the traditional model of teacher-centered instruction no longer prepares today’s students for tomorrow’s workforce. In response, Learning Sciences International (LSI) has created Ignite Core Instruction™, a groundbreaking professional development (PD) series that focuses on igniting student ownership and engagement as the gateway for rigorous student-centered learning.

Developed by LSI’s Center for Applied Research, the Ignite Core Instruction PD series is comprised of in-person sessions with integrated technology-based supports and metrics designed to help teachers and school leaders strengthen core instruction to results-driven outcomes, including igniting students to increase:

- Ownership of their learning process
- Cognitive engagement in rigorous tasks aligned to the academic standards
- Teamwork for development of new economy skills for the 21st century

Ignite blends training, coaching, and a suite of classroom and leadership tools to produce sustainable transformations (with visible next-day results) in core instruction, and includes:

- Practical, hands-on training where teachers leave with skills to use in their next-day lessons
- Coaching for Implementation that connects the professional learning to immediate classroom actions to ensure next-day implementation results and builds the capacity of school-based coaches to help lead this work
- School leader side-by-side coaching to build the vision, inspection, and feedback skills necessary for the principal to support the focus on rigorous, student-centered core instruction
- Real-time metrics to help lead and support classroom implementation, including:
  - LSI Standards Tracker™, which helps teachers focus on evidence of standards in core instruction and monitor student progress through examination of student evidences
  - LSI Growth Tracker™, which empowers teachers, coaches, and professional learning communities (PLCs) with the tools and metrics to see video examples, facilitate peer support, and award micro-credentials for teachers showing implementation evidence for their classrooms

A Pathway to Student-Centered Academic Achievement

Ignite Core Instruction is designed to help students increase their active cognitive engagement and critical thinking skills, which are necessary to attain to the rigor of the new academic standards and skills necessary to thrive in the new economy. The path they take to get there is illustrated below.

**TEACHER-CENTERED CORE INSTRUCTION**

In the traditional classroom, teachers often work harder than their students, the teacher’s voice is typically heard more than students, and students tend to be more passively compliant in their learning.

**TEACHER-LED STUDENT GROUPS**

Ignite helps teachers transition classrooms to student-centered routines with significant focus on standards-based group tasks, group roles, student ownership, team talk skills, student self-regulation, and peer regulation, unlike scripted programs that reduce student ownership and critical thinking. Student voices grow, and student evidences start revealing increased mastery of standards.

**STUDENT-LED ACADEMIC TEAMS**

Next, Ignite helps teachers develop student groups into high-performing, student-led academic teams. All team members own each other’s learning goals and engage in peer tutoring to ensure each member achieves rigorous standards. The teacher releases greater responsibilities to the academic teaming structures that empower students to think critically, respectfully challenge each other’s learning, and develop a growth mindset through teamwork to accomplish rigorous standards-based tasks. The classroom culture transforms to one of active engagement, student ownership, and rigor. All students also develop the social and emotional skills to thrive in the new economy.
Ignite Core Instruction Session Overviews

Forging a Vision

In the Forging a Vision session, participants will learn about the new vision of rigorous student-centered core instruction and the alignment to new economy skills and discuss instructional shifts in the classroom to implement that vision. Significant planning time will be incorporated throughout the training to allow for immediate implementation.

Capacity: 50 Participants Duration: 1 Day*

Audience
- Teachers
- Instructional/Curriculum Coaches
- Building Administrators

Benefits
- Gain a better understanding of how today’s new economy demands new instructional techniques
- Learn what a “classroom with rigor” really looks like through real-world examples
- Collaborate to create a shared vision for achieving rigor in the classroom

Outcomes
- Make a collaborative commitment to immediately implement lessons learned
- Learn how to enhance target task alignments within teaching lessons
- Plan for the necessary instructional shifts to get to a student-centered classroom

*Recommendation: Pair the Forging a Vision PD day with Coaching for Implementation to maximize your outcomes. See page 8 for details.

Igniting Student Ownership

Participants will learn to cultivate student ownership immediately in their classrooms through empowering students to use standards-based Learning Targets and Success Criteria in pairs to influence their own work and give peer feedback. The training will also allow participants to plan for an immediate shift toward a more student-centered classroom and provide time to plan to implement the next day. Prerequisite: Forging a Vision

Capacity: 50 Participants Duration: 1 Day*

Audience
- Teachers
- Instructional/Curriculum Coaches

Benefits
- Define learning targets and success criteria and how they map to implementation
- Develop learning targets based on specific student needs

Outcomes
- Make learning targets and success criteria accessible to students as they work
- Teach students how to use learning targets and success criteria to influence their work
- Build learning targets using LSI Standards Tracker

*Recommendation: Pair the Igniting Student Ownership PD day with Coaching for Implementation to maximize your outcomes. See page 8 for details.

“Students are not just giving answers. They’re becoming coaches within the classroom. They’re naturally using and defining academic vocabulary. They know what they’re talking about! It’s amazing to witness.”

Schelsy Smith, Teacher
Findley Elementary School
Des Moines Public Schools, Iowa
### Engaging Productive Teams

Building on Igniting Student Ownership, participants will learn the basics of planning and executing standards-based lessons for academic teams. Participants will learn how to immediately support academic conversations and standards-aligned team tasks. **Prerequisite: Igniting Student Ownership**

**Capacity: 50 Participants**

**Duration: 1 Day**

**Audience**
- Teachers
- Instructional/Curriculum Coaches

**Benefits**
- Plan lessons implementing the techniques learned during the training
- Prepare students to integrate new information into their prior knowledge
- Verify and document if students are demonstrating their learning targets

**Outcomes**
- Teach students how to share thinking with each other as they work together
- Help students understand their roles and responsibilities for interacting responsibly with each other
- Employ customized re-engagement techniques to quickly gain student attention when necessary

*Recommendation: Pair the Engaging Productive Teams PD day with Coaching for Implementation to maximize your outcomes. See page 8 for details.*

### Building Team Ownership

Participants will learn and plan how to scaffold lessons and create autonomy and self-regulation in students. The training format will allow participants to plan for an immediate shift in the role of the student and provide time to plan their lesson to implement the following day. Resources for both teachers and students will be provided for teachers to use in their instruction. Participants will also learn and plan how LSI Standards Tracker will enhance this shift in the role of the student. **Prerequisite: Engaging Productive Teams**

**Capacity: 50 Participants**

**Duration: 1 Day**

**Audience**
- Teachers
- Instructional/Curriculum Coaches

**Benefits**
- Learn how to deepen teaming in the classroom so that students aren’t simply interacting with each other but learning from each other
- Get resources that are ready to use with students the next day to help them interact responsibly
- Understand how to plan for and verify learning that scaffolds to rigor

**Outcomes**
- Learn to plan for how students can learn from each other using evidence to justify their thinking
- Learn and practice how to scaffold learning within a lesson using a taxonomy
- Learn how to plan a lesson incorporating what’s been learned

*Recommendation: Pair the Building Team Ownership PD day with Coaching for Implementation to maximize your outcomes. See page 8 for details.*
Leadership Coaching is an opportunity for principals and other school leaders to receive side-by-side leadership coaching by walking classrooms examining for scientific indicators of implementation, learn how to use leading metrics to support implementation, and unlock the normal challenges of asking teachers to change their practices. Through coaching, principals and other school leaders clarify a vision for their own schools and strengthen their personal capacities to lead and influence.

Coaching for Implementation

This is an on-site coaching session led by an LSI staff developer to build the capacity of teacher leaders to lead the implementation work. Coaches will learn to coach content implementation using LSI Growth Tracker and strengthen implementation through classroom visits. Next-day implementation metrics will be collected and shared with the school leadership team along with follow-up actions. Multiple Coaching for Implementation sessions are suggested for each PD day, with additional sessions available based on need.

Capacity: 5-6 Participants

Duration: 1 Day

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

Benefits
- Each session has a unique focus based on the training the district has received
- Ability to visit classrooms and share observations for growth opportunities
- Develop coaching strategies to support teacher implementation

Outcomes
- Ability to brainstorm next steps in improving practice as instructional leaders
- Ability to discuss coaching for growth using the Technique tools and resources in LSI Growth Tracker
- Learning ways to provide specific feedback for growth

Coaching for Implementation has enabled us to better implement the strategies which are leading to students owning their learning. Students are now owning their learning and are beginning to inform their own learning with the intentional use of Success Criteria.

Robert Eberhart, Principal
Lodge Community School, Evansville Vanderburgh School Corporation, Indiana

Leadership Virtual Support

This one-hour session provides implementation support to leaders. Coaches and school leaders look at the tool taught in the training, review building data collected by the principal prior to the session, and determine action steps for the leadership team to increase implementation across classrooms.

Audience
- School Leaders
- Assistant/Vice Principals
- Coaches (up to the leader)
Real-Time Monitoring

To supplement the powerful PD of Ignite, LSI offers a robust suite of digital and online tools to help teachers and school leaders maximize their investment and ensure even deeper, more meaningful implementation and ease of use.

LSI Standards Tracker helps teachers clarify standards-based learning targets and success criteria and ensure students are at the heart of learning. It also strengthens standards-based lesson planning and implementation with monitoring for real-time learning by examining student evidences from group or individual tasks and tracking the progress of student teams and individual students.

**BENEFITS**

- Access standards from all 50 states
- Database of ELA and Math learning targets and success criteria
- 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

Teachers will know instantly whether they are connecting with students, and they can leverage the results to make quick, impactful adjustments.

Real-Time Support

Schools spend thousands of dollars on professional development, hoping to increase teacher effectiveness and raise student achievement. And yet, school leaders still struggle to know if the investment is working.

LSI Growth Tracker ensures every teacher can track the implementation of skills from the Ignite PD that into classrooms with peer collaboration and coach support. Each skill is broken into implementation steps with examples and resources. Teachers can work with peers to confirm implementation steps are successful and then earn micro-credentials for completed competencies. Principals and coaches can generate reports and see implementation progress reports and which teachers to offer greater support.

**BENEFITS**

- Easily monitor implementation and impact of PD investment on teaching and learning
- Provide ongoing, high-quality, job-embedded professional development
- Ensure personalized learning meets each teacher’s and team’s needs
- Build sustainable professional learning communities and teams
- Put the power of coaching in the hands of all teachers

Uncompromised learning for results that wow

LSI Growth Tracker records evidences and monitors professional growth automatically—cutting out all the extra legwork of paper trails and post-meeting paperwork so teachers can concentrate on what really counts! Each teacher can access resources, step-by-step technique guides, video examples, and track their own classroom implementation progress.
The Ignite series engages teachers in reflective practice and empowers them to be instructional leaders within their teams. It makes sense and teachers are transforming!

Dr. Toni Palmer
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