Big Ideas Learning®
Course Offerings:
Initial Implementation and Professional Development Services
Introduction

The Big Ideas Math® program is a research-based curriculum that provides a rigorous, focused, and coherent solution for elementary, middle, and high school students. The program is accompanied with a multitude of resources for both students and teachers. These resources make it easier for students to stay focused on learning and for teachers to focus on what they do best—teaching. Big Ideas Learning, LLC understands that ongoing professional development is an integral part of implementing the program and all of the resources, and is dedicated to supporting 21st-century teaching and learning in the area of mathematics.

As teachers and school districts move forward in implementing the Standards for Mathematical Practice, the fundamental ideas of rigor and relevance and big ideas that are deep and focused take on new meaning. Big Ideas Learning provides a rich, hands-on experience that allows for deep understanding and practice, not only of the challenging world-class standards, but of the underlying mathematics pedagogy as well.

To help districts implement the program with fidelity, a professional staff of experienced education consultants provide customized professional development workshops ranging from initial implementation sessions to multi-day training seminars, depending on the district’s individual needs.

We look forward to working with your district to ensure the success of all students. Implementing the Big Ideas Math program with fidelity helps ensure that students of all academic levels and from all backgrounds will see the growth and achievement necessary to be successful young adults in this 21st-century world.

Implementation and Professional Development Offerings

Big Ideas Learning, LLC is dedicated to working with you to produce a professional development plan that includes an initial program overview through extensive professional development on current trends in education.

With the purchase* of Big Ideas Learning products or programs, schools and districts receive complimentary Professional Development training courses to assist in implementing the program. These entitlements can be applied to courses in “Section One: Basic Implementation Options.” Big Ideas Learning will work with you to determine which training and delivery options best meet your needs, including in-person trainings and live webinars. Your staff is welcome and encouraged to use all of the provided training materials to further support and train additional staff.

*Minimum purchase required. Please contact your National Geographic Learning Sales Consultant for more information on qualifications.
Section One: Basic Implementation Options
The number of complimentary 3-hour entitlement sessions is determined by the value of the purchase. There is a maximum of 35 participants per session. Sessions can be combined to form a full-day training.

District Leadership Team Planning Meeting
Participants: District Leaders
Facilitator: Big Ideas Learning Consultants in collaboration with National Geographic Learning Consultants
Purpose: A leadership team meeting will be scheduled to meet with the district curriculum leaders, Big Ideas Learning Consultants, and National Geographic Learning Consultants. The purpose of this meeting will be to create a comprehensive implementation plan that:

- ensures cohesiveness between product implementation training and district goals,
- determines the breadth of the services,
- identifies a schedule for the training sessions, and
- establishes a commitment to meet district needs.

Administrator Training
Participants: District Administrators and Instructional Leads and Coaches
Facilitator: Big Ideas Learning Consultants in collaboration with National Geographic Learning Consultants
Purpose: This training will introduce administrators and coaches to Big Ideas Learning programs with a focus on instructional design and successful implementation. Suggestions will be provided to help leaders understand their role in supporting teachers and coaches.
Outcome: Participants will use their new learning to ensure fidelity in program implementation.

Initial Program Overview Session
Participants: Classroom Teachers
Facilitator: Big Ideas Learning Consultants in collaboration with National Geographic Learning Consultants
Purpose: The initial implementation overview is designed to provide teachers with an understanding of instructional components. This training will offer an overview of the program including organization, instructional resources, and technology.
Outcome: Participants will be able to use their instructional resources to plan, teach, and differentiate instruction effectively in their classrooms.

New Teacher Initial Program Overview
Participants: New Classroom Teachers
Facilitator: Big Ideas Learning Consultants with National Geographic Learning Consultants
Purpose: The initial implementation overview is designed to provide teachers with an understanding of the instructional components. This training will offer an overview of the program including organization, instructional resources, and technology.
Outcome: Participants will be able to use their instructional resources to plan, teach, and differentiate instruction effectively in their classrooms.

Digital Integration Implementation Session
Participants: Classroom Teachers, Teacher Development Specialists, and Curriculum Coordinators
Facilitator: Big Ideas Learning Consultants in collaboration with National Geographic Learning Consultants
Purpose: This hands-on digital integration training session will focus on implementing the technology, understanding the layout and structure, and utilizing the Big Ideas Math digital content for teaching and learning.
Outcome: This training is designed to inform classroom teachers, specialists, and curriculum coordinators how to effectively and efficiently implement the Big Ideas Math technology in the classroom.

Section Two: Paid Implementation Options

Train the Trainer
Participants: Coaches, Lead Teachers, and Instructional Leadership
Facilitator: Big Ideas Learning Consultants in collaboration with National Geographic Learning Consultants
Purpose: This training extends beyond the content of initial implementation training and into implementation of differentiation, assessment, technology, and instructional practices supporting effective implementation of Big Ideas Learning programs. Leaders are trained in delivering the Beyond the Basics session.
Length: 3-hour session
Outcome: This comprehensive level of training will maximize capacity by training coaches and lead teachers to effectively implement Big Ideas Learning programs with fidelity. This comprehensive training will provide opportunities to empower and build sustainable success from within the school district.

Beyond the Basics Workshop
Participants: Classroom Teachers and Instructional Coaches
Facilitator: Big Ideas Learning Consultants
Purpose: This training increases teacher depth of knowledge and confidence in lesson preparation and delivery by focusing on technology, differentiation, and assessment.
Length: 3-hour session
Outcome: Upon completion of this session, participants will be able to apply understanding of differentiation to daily instruction, utilize various formative and summative assessment resources to target instruction, and use technology to enhance instructional delivery and student learning.

Beyond the Basics – Technology Workshop
Participants: Classroom Teachers, Teacher Development Specialists, and Curriculum Coordinators
Facilitator: Big Ideas Learning Consultants
Purpose: This training takes a deeper dive into the Big Ideas Math technology, which helps participants become experts on the effective use of all aspects of the technology resources.
Length: 3-hour session
Outcome: Participants will leave this session with the ability to implement the technology in their classrooms immediately and to the fullest extent.

Administrator Training
Participants: District Administrators and Instructional Leads and Coaches
Facilitator: Big Ideas Learning Consultants in collaboration with National Geographic Learning Consultants
Purpose: This training will introduce administrators and coaches to Big Ideas Learning programs with a focus on instructional design and successful implementation. Suggestions will be provided to help leaders understand their role in supporting teachers and coaches.
Outcome: Participants will use their new learning to ensure fidelity in program implementation.

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Facilitator: Big Ideas Learning Consultants with National Geographic Learning Consultants
Purpose: The initial implementation overview is designed to provide teachers with an understanding of the instructional components. This training will offer an overview of the program including organization, instructional resources, and technology.
Outcome: Participants will be able to use their instructional resources to plan, teach, and differentiate instruction effectively in their classrooms.
Learning Intentions and Success Criteria—Creating Success Through Student Agency

Participants: Classroom Teachers and Instructional Coaches
Facilitator: Big Ideas Learning Consultants in collaboration with National Geographic Learning Consultants
Purpose: This session will focus on how to implement success criteria so students know where they are on the learning continuum at any given time.
Length: 3-hour session
Outcome: This training is designed to give teachers background on why learning intentions and success criteria are critically important. Participants will leave with an ability to write their own learning intentions and success criteria.

Creating Rich Learning Environments Through Research-Based Strategies

Participants: Classroom Teachers and Instructional Coaches
Facilitator: Big Ideas Learning Consultants in collaboration with National Geographic Learning Consultants
Purpose: This session focuses on the research of Jay McTighe, Dylan Wiliam, John Hattie, Jo Boaler, and others.
Length: 3-hour session
Outcome: Participants will leave with tried-and-true research-based strategies that they may incorporate into their daily routines.

Parent University Session*

Participants: Parents and Teachers
Facilitator: Big Ideas Learning Consultants
Purpose: These sessions provide parents with insight into components of Big Ideas Learning programs, including technology that can be accessed 24/7.
Outcome: Participants will better understand how to provide instructional support at home.
Length: 2–3 hours

*With the purchase of 10 days of professional development, a Parent University will be provided free of charge. The session must take place on a scheduled service date. If fewer than 10 days have been purchased, the cost is $800 if delivered the same day as a fee-based training. Otherwise, the Parent University session may be purchased at regular price.

Customized Follow-Up Webinars*

Participants: Classroom Teachers and District Personnel
Facilitator: Big Ideas Learning Consultants
Purpose: Big Ideas Learning will provide continued implementation support for various program components. Sessions are designed to provide ongoing support and meet the needs of teachers after they have begun implementing the program.
Length: 2-hour session
Outcome: Participants will be able to confidently integrate best practices into their daily instruction using the Big Ideas Math program resources and instructional support.

*Maximum of 100 participants per session.
ISBN: 978-1-63598-079-0
Cost: $750

Cost Structure for Section Two

The training can consist of sessions for Grades K–8 and Grades 9–12 teachers, math teacher leaders, coaches, and/or administrators.

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Section Three: Customized Implementation Options

The following customized workshops have a general theme as described in the purpose, but will be customized to meet your needs.

Model Lessons and Product Coaching Days

Participants: Classroom Teachers/Coaches  
Facilitator: Big Ideas Learning Consultants  
Purpose: During demonstration lessons, teachers meet to set the stage for the instructional strategy they will observe and prepare to be active observers. After the lesson is taught, a debriefing session allows for clarification, reflection, and integration of new learning. Product Coaching sessions allow the professional development trainer to support the teacher by providing feedback on instruction, teaching ideas, and classroom management suggestions, right in the classroom.

Outcome: Participants will leave with tools they need to engage their students in focused and meaningful dialogue with a variety of effective questioning techniques.

Length: Varies  

Creating Math Classrooms that Concentrate on Learner Needs by Differentiating the Instruction

Participants: Classroom Teachers/Coaches  
Facilitator: Big Ideas Learning Consultants  
Purpose: This workshop will incorporate evidence-based instructional practices offering a variety of options that will help teachers to open doors to learning that students are unable to open themselves.

Outcome: Participants will leave with ideas and materials that will help them address the diversity of their student population and their different learning profiles.

Outcomes and Purpose:

Participants will leave with ideas and materials that will help them address the diversity of their student population.

Outcome:

1 day

This workshop will incorporate evidence-based instructional practices offering a variety of options that will help teachers to open doors to learning that students are unable to open themselves.

Purpose:

Facilitator:

Big Ideas Learning Consultants  

Outcome:

1 day

Creating Highly Motivating Classrooms

Participants: Classroom Teachers/Coaches  
Facilitator: Big Ideas Learning Consultants  
Purpose: Research suggests that the student who is “learning-oriented”—whose goal is to understand and who is thinking about what he or she is doing—is likely to enjoy school. From hands-on discovery to in-depth performance tasks, Big Ideas Learning will work with your staff to enrich their classrooms with research-based strategies that engage students in learning. By mastering time-proven methods, your staff will learn to create a classroom environment that strengthens students’ enthusiasm and intrinsic motivation while addressing individual students’ needs. As a result, students will emerge from their classroom with a new sense of confidence in their abilities and a deeper understanding of concepts. Students will retain new information longer, and will be less likely to need remediation. These methods will be taught in a single day yet will forever change the way your staff encourages learning.

Length: 1 day  

Outcome: Participants will leave with methods they can implement right away to motivate and engage students in their learning.

Implementing the Common Core State Standards

Participants: Classroom Teachers/Coaches  
Facilitator: Big Ideas Learning Consultants  
Purpose: In this workshop, Big Ideas Learning will work with teachers on methods of implementing a curriculum that is narrower and deeper through areas of emphasis vital to effective math instruction. Big Ideas Learning will help teachers learn to become facilitators as they allow students to struggle with, and master, concepts.

Length: 1 day  

Outcome: Participants will leave the workshop armed with strategies and methods for taking topics deeper, making connections to prior knowledge, and creating more robust learning environments.

The Three Rs: Rigor, Relevance, and Reality

Participants: Classroom Teachers/Coaches  
Facilitator: Big Ideas Learning Consultants  
Purpose: Effective learning comes through education that is rigorous and relevant. Big Ideas Learning will help you to involve every student in the learning process. With strategies that apply mathematics in a practical and relevant setting, we show you how to engage students so that they not only understand what they are taught, but they retain it. This hands-on, practical workshop integrates theory with real-world examples and gives teachers the opportunity to practice moving from a knowledge-based classroom to one that is filled with inquiry, investigation, and experimentation. This workshop includes exercises and examples from the mathematics classroom so that skills taught in the workshop can be implemented immediately.

Length: 1 day  

Outcome: Participants will learn to use all levels of Hess’ Cognitive Rigor Matrix to help students develop deeper thinking and understanding.
Assessment Resources and Preparation

Participants: Classroom Teachers, Teacher Development Specialists, and Curriculum Coordinators
Facilitator: Big Ideas Learning Consultants
Purpose: This session will focus on the different types of support Big Ideas Math offers teachers in preparing their students for high-stakes tests.
Length: 3-hour session
Outcome: Upon completion of this session, teachers will be able to administer and review online tests and quizzes through the Dynamic Assessment System, utilize various formative and summative assessment resources to target instruction, and locate other assessment resources Big Ideas Math has to offer.

Using the Mathematical Practices to Promote Active Learning and Higher-Order Thinking

Participants: Classroom Teachers/Coaches
Facilitator: Big Ideas Learning Consultants
Purpose: This workshop will demonstrate strategies to help teachers integrate the Mathematical Practices and promote active learning while overcoming objections to changes in instructional methodology. The Common Core Standards for Mathematical Practice are based on research that suggests that students need to do more in the mathematics classroom than just listen. They need to develop the habits of mind that ensure success. Students need to be actively involved in learning: reading, writing, and discussing.
Length: 1 day
Outcome: Participants will look at the Mathematical Practices and put instructional strategies into place that promote active learning and higher-order thinking.

Communicating in the Math Classroom

Participants: Classroom Teachers/Coaches
Facilitator: Big Ideas Learning Consultants
Purpose: In today’s world, every teacher has a responsibility to help students learn to communicate in the math classroom. Curriculum standards and high-stakes tests have underlined the role that communication plays in every subject area. Research shows that when students do not understand what they read, they often have difficulty in that particular subject area. All teachers can help students become better readers, writers, and communicators through research-based best practices. In this hands-on workshop, teachers will work on developing reading, writing, and communication strategies.
Length: 1 day
Outcome: Participants will leave this workshop prepared to integrate and enhance communication skills in their math classrooms.

Games and Activities for Numerical Fluency

Participants: Classroom Teachers/Coaches
Facilitator: Big Ideas Learning Consultants
Purpose: Big Ideas Learning staff will assist teachers in developing games that motivate students to learn, immerse students in the material so that they learn more effectively, and encourage students to learn from their own mistakes. This hands-on workshop provides teachers with the opportunity to develop and experience games and activities, and to learn techniques that help students develop critical-thinking skills such as strategizing and decision-making. Games and Activities for Numerical Fluency is a fast-paced, highly motivating workshop designed to help teachers engage all students in the classroom experience. Games and activities help develop fluency as prescribed by the Common Core State Standards. Students get to practice their skills while having lots of fun!
Length: 1 day
Outcome: Participants will leave with a variety of games and activities to use with students.

NCTM Teaching Practices

Participants: Classroom Teachers/Coaches
Facilitator: Big Ideas Learning Consultants
Purpose: This workshop incorporates NCTM’s Principles to Actions. Teachers will learn strategies to use in the classroom to incorporate the eight research-based Effective Mathematics Teaching Practices.
Length: 1 day
Outcome: Participants will leave with strategies for implementing NCTM’s eight research-based Effective Mathematics Teaching Practices.

Customized Learning Sessions

Participants: Classroom Teachers, Lead Teachers, Instructional Coaches, District Personnel
Purpose: This session is customized to meet the unique needs of the district, including state standards.
Length: Varies
Outcome: Participants will receive high-quality instruction that is aligned to district initiatives and promotes professional growth.

Cost Structure for Section Three

This training is designed to be flexible to meet the needs of each school or district. The training can consist of sessions for Grades K–8 and Grades 9–12 teachers, math teacher leaders, coaches, and/or administrators.

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<td>978-1-60840-407-0</td>
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Section Four: Author Workshops

Authors Ron Larson and Laurie Boswell can come to your district to discuss author perspectives and pedagogy in the *Big Ideas Math* series.

**Big Ideas Math Author Workshop**

**Participants:** Classroom Teachers, Lead Teachers, Instructional Coaches, and District Personnel  
**Facilitator:** Ron Larson, lead author of the *Big Ideas Math* series  
**Purpose:** This workshop, conducted by Ron Larson, investigates the pedagogy behind the *Big Ideas Math* series.  
**Length:** 3-hour session  
**Outcome:** Your teachers and administrators will benefit from rich insights and author perspectives in their journey into the *Big Ideas Math* series.  
**Cost:** $5,000  
**ISBN:** 978-1-68033-110-3

**Big Ideas Math Author Workshop**

**Participants:** Classroom Teachers, Lead Teachers, Instructional Coaches, and District Personnel  
**Facilitator:** Laurie Boswell, co-author of the *Big Ideas Math* series  
**Purpose:** This workshop, conducted by Laurie Boswell, investigates the pedagogy behind the *Big Ideas Math* series and Laurie's Notes, the rich teacher guide contained within the *Big Ideas Math* Teaching Edition.  
**Length:** 3-hour session  
**Outcome:** Your teachers and administrators will benefit from rich insights and author perspectives in their journey into the *Big Ideas Math* series and its teaching component.  
**Cost:** $5,000  
**ISBN:** 978-1-68033-111-0