

NYC Dept. of Education / Amplify Desmos Math - Professional Learning Plan

Overview

For more than a decade, Amplify's professional development team has worked side-by-side with educators to drive significant and sustained changes in student achievement and pedagogical effectiveness across multiple schools, districts, and states. Our professional development opportunities are proven to support effective implementation, skill-focused data analysis, and strategic instructional planning to improve outcomes for all students. We partner with educators in their work to gain a deeper understanding of their students, as well as themselves as teachers, by offering PD experiences that promote reflective/critical collaboration and practice, culturally and linguistically responsive pedagogy, social and emotional learning, and inter-school networking. As a result, participants in our sessions leave feeling excited and prepared to implement Amplify curricula.

We are excited to work alongside NYC DOE in order to build a strong foundation in Amplify Desmos Math and deepen educator practice at both the classroom and school level. We understand educators have a limited amount of time and have different preferences for when and how they learn. Given all of this, all of our professional development offerings are designed with the following principles:

- **Scaffolded, phased professional learning:** Amplify professional learning experiences are designed to provide support to NYC Math teachers while they collaboratively build their capacity to facilitate and implement the Amplify Desmos Math curriculum with integrity. The Amplify professional learning team will work cooperatively with NYC stakeholders to guide educators and students to successful outcomes. Our professional development opportunities go far beyond initial product trainings and take participants through different stages of learning:
 - *Launch* sessions give teachers and leaders an introduction to their new math program, including the core features and approach behind its design, and a chance to experience Amplify Desmos Math as both a learner and educator. Reflective group discussions and collaborative work time support teachers to make sense of what they've learned about the curriculum and plan to get started teaching.
 - *Strengthen* sessions advance teachers' and leaders' understanding of their math program and support them in taking their instructional practice to the next level. Teachers work together to deepen content knowledge, plan upcoming instruction, and/or dig into data analysis practices.
 - *Coach* sessions incorporate each school's specific needs by offering a menu of popular topics or working with an Amplify coach to customize the time spent together. These sessions provide administrators and teachers with in-the-moment feedback, grade-level workshops, and more.
- **Differentiation by audience**
 - We offer multiple, differentiated professional development options to various key audiences, such as teachers and leaders, in order to support the evolving needs of educators at all levels.

- **Variety of modalities for maximum reach and efficiency**
 - Delivery methods include the following:
 - **Onsite:** sessions are delivered in person (up to 30 participants)
 - **Virtual:** sessions are delivered virtually through webinars (up to 30 participants)

The typical professional development session lengths are as follows:

- Half day: 3 hours (8:30–11:30 a.m. or 12–3 p.m.)
- Full day: 6 hours (8:30 a.m.–3:30 p.m., includes one hour for lunch)

In order to deliver effective training and professional development sessions, Amplify has a cadre of highly experienced and qualified facilitators. We have over 100 full- and part-time professional development facilitators, each an educator with an average of 15-20 years of classroom and/or administrative experience, established presentation skills, technical competence, client management skills, and specialized professional certifications. Because of their history in schools, districts, and statewide engagements, each trainer understands the day-to-day logistical and instructional challenges facing teachers, principals, and district as well as state leaders when integrating new systems into daily practice.

Suggested Support for Spring 2024 - Spring 2025

Below is a suggested support plan to kickoff the implementation of Amplify Desmos Math in Spring 2024 through the following school year (2024-25). We look forward to working with NYC DOE to determine a training plan that meets their needs and welcome the opportunity to further customize our approach as desired. Please note that in order to meet your district’s specific needs, Strengthen and Coach session topics and activities will be determined at the point of scheduling.

Spring 2024 Implementation of Amplify Desmos Math		
Month	May	June
Launch	Initial Training, Part 1 (3 hours virtual or onsite)	Initial Training, Part 2 (3 hours virtual or onsite)
Suggested Enhancements	Coaching (6 hours onsite or 3 hours virtual)	Coaching (6 hours onsite or 3 hours virtual)
	Program Overview for Leaders (1 hour, virtual)	

Package Options for Year 1 Implementation of Amplify Desmos Math (SY 2024-25)				
Package	Launch	Strengthen	Suggested Enhancements	
			Coaching	Launch for Leaders
Onsite	Onsite (6 hours)	Onsite (3 hours)	Onsite (6 hours)	Onsite (3 hours)
Hybrid A	Onsite (6 hours)	Virtual (3 hours)	Onsite (6 hours)	Onsite (3 hours)
Hybrid B	Onsite (6 hours)	Virtual (1 hour)		
Virtual A	Virtual (6 hours) *2 half days	Virtual (3 hours)	Virtual (3 hours)	Virtual (3 hours)
Virtual B	Virtual (3 hours)	Virtual (1 hour)	Virtual (3 hours)	Virtual (3 hours)

Amplify Desmos Math Training and Coaching Sessions

Below are descriptions for individual professional development offerings for Amplify Desmos Math, all of which are flexibly designed to meet the unique needs of teachers and instructional leaders across different stages of learning.

Session Type	Description
Launch	<p>Initial Training for Teachers</p> <p>Initial training sessions are designed for educators who are new users. In our initial training session, educators are oriented to the key components of Amplify Desmos Math, including learning how to navigate, teach, and monitor student progress, while exploring content and program resources. Participants will leave the session with foundational knowledge and skills necessary to begin teaching with the program. We offer full day and half day onsite or virtual sessions.</p> <ul style="list-style-type: none"> ● Full day: 6 hours, onsite or two 3 hours, virtual ● Half day: 3 hours, onsite or virtual <p>Program Overview for Leaders</p> <p>The Program overview for leaders supports district and school-level instructional leaders in effectively coordinating the implementation of the program. Leaders will learn the foundational elements of the program, build an understanding of the key</p>

	<p>teacher and student practices to look for in classrooms, and develop an implementation plan.</p> <ul style="list-style-type: none"> ● Duration: 3 hours, onsite or virtual
<p>Strengthen <i>Available</i> <i>10/1/24</i></p>	<p>Amplify Strengthen sessions target specific instructional practices for teachers and leaders who are in year one and beyond. When you're ready to schedule your Strengthen session, an Amplify expert will support you in selecting the session that best fits your needs in order to push student results forward. Sessions to select from include:</p> <ul style="list-style-type: none"> ● Enhancing planning <ul style="list-style-type: none"> ○ Dive into planning upcoming Amplify Desmos Math lessons using program resources. Leave with a greater understanding of your unit story and a roadmap of an upcoming lesson to guide student learning, make connections across lessons, and measure student progress towards learning goals. <ul style="list-style-type: none"> ■ Duration: 3 hours, onsite or virtual ● Enhancing practice <ul style="list-style-type: none"> ○ Learn how to use Amplify Desmos Math to create engagement at the start of lessons, sustain learning in the middle, and synthesize student thinking at the end. Leave with a deeper understanding of how tools and facilitation suggestions in both print and digital lessons can create a classroom culture that promotes critical thinking and student discourse. <ul style="list-style-type: none"> ■ Duration: 3 hours, onsite or virtual ● Enhancing observations for leaders <ul style="list-style-type: none"> ○ Learn to use our non-evaluative classroom look-for tool for Amplify Desmos Math to promote the use of instructional resources, focus on instructional delivery, and monitor instruction. Leave with an action plan for collecting and analyzing observation data to support teachers in their implementation of Amplify Desmos Math. <ul style="list-style-type: none"> ■ Duration: 3 hours, onsite or virtual ● Unit-level planning <ul style="list-style-type: none"> ○ Dive into unit planning as you learn the story of how your upcoming unit is tied to other units and grade levels, and discover the big ideas you will explore alongside your students in Amplify Desmos Math. <ul style="list-style-type: none"> ■ Duration, 1 hour, virtual ● Lesson-level planning <ul style="list-style-type: none"> ○ Dive into lesson-level planning as you learn how to create a roadmap for a lesson that guides student learning, makes connections across lessons, and measures student understanding of the learning goals in Amplify Desmos Math. <ul style="list-style-type: none"> ■ Duration, 1 hour, virtual

	<ul style="list-style-type: none"> ● Instructional routines: Number talks, Notice and Wonder <ul style="list-style-type: none"> ○ Explore how the routines Number Talks and Notice and Wonder in Amplify Desmos Math spark conversation and provide opportunities for students to showcase their brilliance. Walk away with strategies for effectively using these Instructional Routines in your next lesson. <ul style="list-style-type: none"> ■ Duration, 1 hour, virtual ● Instructional routines: Building language with routines: Stronger and Clearer, Compare & Connect <ul style="list-style-type: none"> ○ Explore how the routines Stronger & Clearer and Compare & Connect support students as they make sense of new contexts and mathematical problems in Amplify Desmos Math. Leave with strategies for using these routines to support students as they simultaneously learn mathematical practices, content, and language in your upcoming lessons. <ul style="list-style-type: none"> ■ Duration, 1 hour, virtual
<p>Coach</p>	<p>Coaching</p> <p>Coaching sessions focus on building internal school and district capacity and leadership excellence. Coaching is customized to meet a school or district’s needs and can include model lessons, observations, walk-throughs, and/or co-planning.</p> <ul style="list-style-type: none"> ● Duration: 6 hours, onsite; 3 hours, virtual