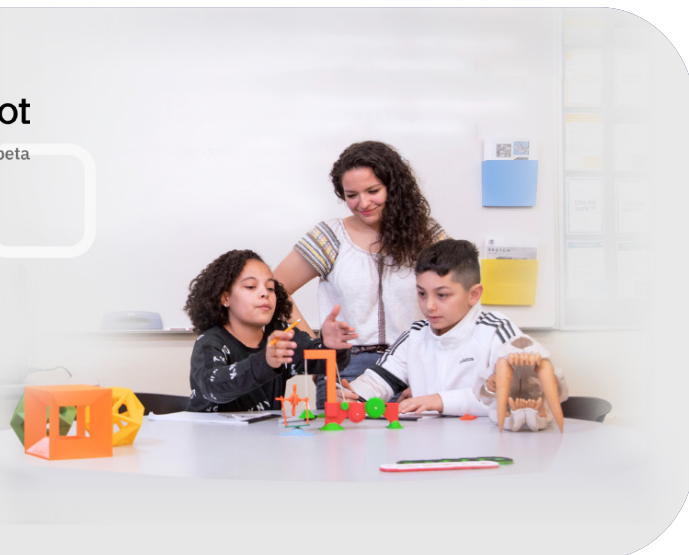# MakerBot Nebula  Beta

An AI space where differentiated learning takes shape.

MakerBot Nebula is an AI-powered learning platform that helps teachers create differentiated learning experiences, grow their skills, and access classroom grants—all in one place.

It's designed to extend teacher impact, support every student's learning style, and integrate creative technologies like 3D printing into real-world instruction.

## About MakerBot Nebula Beta

To make teaching and learning flexible, Nebula is organized around three core modules—each designed to meet teachers where they are:

### Learning Station

**Grow your skills. Expand what's possible.**

Learn, practice, and build confidence with foundational content you can use in your classroom—starting with 3D printing, and expanding into even more tools over time.

### AI Experience Builder

**Design differentiated learning journeys—and deliver them directly to your students.**

Design flexible, differentiated experiences aligned to your goals. Save them in your library, deploy them to students, and let Nebula's built-in AI tutor guide them along the way.

### Funding Assistant

**Fuel your classroom with the funding it deserves.**

Get connected with grant opportunities (starting with MakerBot's own grants) and get help drafting strong applications—right on the platform.

## MakerBot Nebula is built around a simple, powerful flow: teachers create, students learn, and AI supports every step.

✓ **Extend your reach. Multiply your impact.**

Learn, practice, and build confidence with foundational content you can use in your classroom—starting with 3D printing, and expanding into even more tools over time.

✓ **Personalized learning for every style, every pace**

Let every student learn their way—through custom pathways that adapt to how they think, create, and explore.

✓ **Clear insights. Safe space. Smarter support.**

Track growth, support creativity, and stay connected to student learning—all in a secure, educator-first platform.

Nebula is still growing—and that's where you come in. As a beta user, you'll get first access to features, help us improve, and stay ahead of what's next.

## Coming soon:

- ✓ **Full student dashboard**
- ✓ **Teacher certification and PD hour tracking**
- ✓ **More grant listings and funding support**
- ✓ **Expanded learning content: robotics, CAD & more**

A lot more to come!

## Platform tech specs:

### AI architecture

| | |
|---|---|
| **Language model** | Meta LLaMA 3B |
| **Model type** | Large Language Model (LLM) |
| **Token limit (context length)** | 128,000 tokens (allows for rich context and long-form interactions) |
| **Model housing** | |

### Platform & data

| | |
|---|---|
| **User roles** | Teacher-focused interface (student access in development) |
| **Data storage** | Securely stored in the U.S. |
| **Data retention** | What is our policy? |
| **Privacy** | No student data is collected |
| **Student access** | Not currently available during Beta |
| **Browse compatibility** | All major browsers and tablets supported; optimized for Google Chrome and Chromebooks. |

### Security & privacy

| | |
|---|---|
| **FERPA-compliant** | Planned, not available in Beta |
| **COPPA-compliant** | Planned, not available in Beta |
| **Login system** | Google SSO and Email-based login |

Try MakerBot Nebula today
Go to makerbot-nebula.com

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