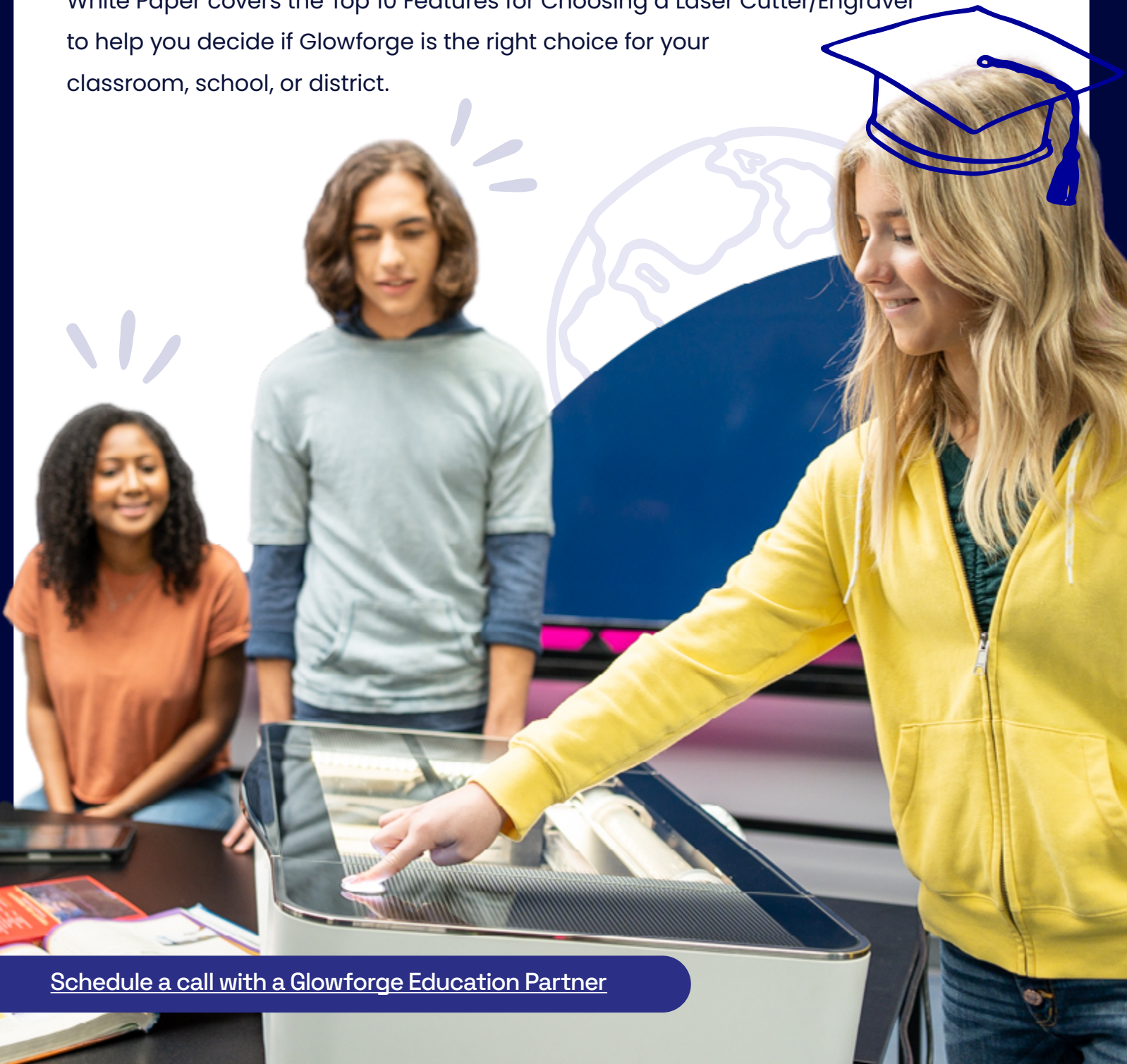Classroom Laser Cutters:

Top 10 Features & Functions

Choosing a laser cutter & engraver for your school:

When it comes to choosing the right classroom tools for your students, there are many factors to consider including effectiveness, safety, versatility, and adaptability. This White Paper covers the Top 10 Features for Choosing a Laser Cutter/Engraver to help you decide if Glowforge is the right choice for your classroom, school, or district.

Schedule a call with a Glowforge Education Partner

Top 10 Features for Choosing a Classroom Laser

1. Fast and easy set up

When you're integrating a new technology into your classroom, an easy set up is crucial. A laser cutter and engraver with a **fast set up process saves time and ensures a smooth transition into the classroom** at any point in the school year. With Glowforge, the set-up process is quick and intuitive, allowing educators to start teaching with Glowforge right away.

2. Ability to cut, score, & engrave

One of the most significant benefits of a laser cutter and engraver is its ability to cut, score, and engrave a wide range of materials. This **versatility opens up a world of possibilities** in the classroom. Whether your students are building a scaled model of a historical monument with engraved details, or creating kinetic sculptures from precisely cut materials, Glowforge's versatile function means the learning possibilities are endless.

3. Classroom safety

Safety is a top priority, and classroom tools like a laser cutter and engraver must be safe and easy to use. With Glowforge, educators and students can create a variety of projects safely in the classroom. Glowforge printers feature an enclosed design that **prevents any harmful emissions from escaping** while in use, and come equipped with a cooling system that **ensures the device stays at a safe temperature** while in operation.

4. Ease of use

It's essential that even your **youngest students can interact** with and benefit from your classroom tools — including your laser! Glowforge's simple interface makes it easy for students of all ages to start creating and designing. Glowforge's **software is designed to be intuitive and user-friendly**, allowing students to take ownership of their projects and learn at their own pace, no matter their grade level!

5. Material compatibility

A laser cutter and engraver that can work with a wide range of materials is a valuable tool for any classroom. With Glowforge, educators can **work with hundreds of different materials including wood, acrylic, leather, fabric, cardboard, paper, felt, & so many more!** This variety allows for a diverse range of projects and keeps students engaged and excited about learning.

6. Uploading custom designs

In addition to any software that comes with the printer, being able to design then upload projects from 3rd party software opens up even more creative possibilities. Glowforge makes it easy to **upload designs from software your students already know** & use like Adobe Express, Canva EDU, Tinkercad, Autodesk, Google Drawings, Inkscape, Procreate, and more! Students can also **start with a drawing, sketch, or handwriting** and use Glowforge's Trace feature to engrave these designs onto materials, allowing for greater creativity and customization in whatever way students work best.

7. Supporting learning across subjects

A laser cutter and engraver should support learning in any subject and teach innovative technology that can help students succeed in the future. From art and design to science and engineering, a laser cutter and engraver like Glowforge can be an invaluable tool for educators looking to **incorporate hands-on learning into their curriculum**. By introducing students to innovative technology like Glowforge, educators can prepare them for success in a rapidly evolving job market.

8. User-friendly software

A laser cutter and engraver with user-friendly software makes it easy for teachers and students to design and print their projects without needing to learn additional software. It also helps students learn valuable digital design skills. Glowforge Print, the design software that comes with your printer, features a whole host of **robust design tools**, while the Premium Subscription (included in all **Educator Bundles**) offers a **library of graphics and fonts, Magic Canvas AI technology, and even more creative tools** that add personality to any project.

9. Large working area

A larger working area accommodates **larger materials**, which expands the range of projects that students can create with a laser cutter or engraver. It can also **allow multiple students to work on projects simultaneously** by printing multiple projects on one sheet of material. The Glowforge Pro features a 19.5" by ∞ material capacity — perfect for stretching the creative possibilities of young minds!

10. Warranty and technical support

A comprehensive warranty and technical support package **gives teachers and administrators peace of mind**, knowing that any technical issues will be resolved quickly and easily. It also helps ensure that the **device remains in good condition** and is able to be enjoyed by many cohorts of students. Glowforge comes with an option to add an Extended Warranty, which covers your Glowforge printer after the original purchase warranty expires so you can print confidently knowing your investment is protected.

Bring the FUN back to learning!

Glowforge's powerful desktop laser cutter and engraver brings any lesson plan to life — students & educators can cut, engrave, & score 100s of materials right in the classroom. Investing in education technology like Glowforge engages students & sparks creativity with hands-on learning. Plus, it's simple to integrate Glowforge into any curriculum with our **catalog of lesson** plans available for grades K-12.

Want to learn more?

Whether you have questions about the benefits of using Glowforge in your classroom, or if you're ready to bring Glowforge to your school, our Education Partners are happy to help:

* First, you can learn more about the magic of Glowforge for yourself and get all of your questions answered with a 1:1 call with a Glowforge Education Partner.

* Then, a Glowforge Education Partner can help assess your specific education goals to choose the Glowforge package that's right for your school.

* Finally, a dedicated team member will be there for you every step of the way to help manage after-order logistics, delivery, and setup.

Got questions? We're here to help:

Schedule: **Schedule a call**
Email an expert: **accountsales@glowforge.com**
Talk to an expert: **+1 888-8GLOWFORGE**