



DREMEL IDEA BUILDER 3D PRINTING

NC3's DREMEL Idea Builder 3D Printing Certification was created to jumpstart students' imaginations on future career choices and develop interest in STEM-related programs.

PROGRAM GOALS

- ◆ Help students get certified in the basics of setup, functionality, operation, troubleshooting and essential design software
- ◆ Teach students to create the connection between Digital Ideation and Physical Building
- ◆ Create project-based learning where students develop real-world skills
- ◆ Teach problem solving and teamwork, while enabling teachers to incorporate real-world technology into the classroom
- ◆ Align standards to Common Core, CCSS, NSS, and other state-specific standards to ensure specific learning objectives

NC3 CERTIFICATIONS

Receive industry-validated NC3 certifications as proof of skills achievement that can offer enhanced employment potential and higher productivity across multiple industries including but not limited to:

- ◆ Aviation
- ◆ Building Trades
- ◆ Energy
- ◆ Engineering
- ◆ Health Care
- ◆ Manufacturing
- ◆ Transportation

STUDENT BENEFITS

- ◆ Student access and understanding of Dremel-approved equipment and easy-to-use DigiLab software
- ◆ Ability to demonstrate the difference between constructive and destructive manufacturing processes
- ◆ Student access to Dremel and Makerspace Labs across the world which helps to gain exposure to other companies' products and ultimately lead to future employment
- ◆ Engage with community and local employers to participate in active labs, projects and live work

SCHOOL BENEFITS

- ◆ Access to training materials and equipment on STEM-related projects
- ◆ Partner with Dremel, a globally-recognized brand leader in printing technology
- ◆ Dremel 3D45 is quiet and UL Safety Certified to ensure a worry-free classroom experience
- ◆ Cost savings with the ability to connect several DigiLab devices to one computer or one computer to multiple 3D Printers and Laser Cutters
- ◆ Provide opportunity for community engagement
- ◆ Local employer opportunity to engage in active labs, projects and live work with students



Dremel is a proud partner with Palmer Hamilton and the National Coalition of Certification Centers (NC3). Dremel Certifications are developed and administered by NC3 and are compatible with other industry-recognized certifications.