OFFICE OF THE SUPERINTENDENT
D.C. EVEREST AREA SCHOOL DISTRICT

PROFESSIONAL & SUPPORT
STAFF 7230F1/page 1

Approval to Apply for Grant

A copy of all grant applications must be submitted to the Curriculum Office.

1. Obtain your principal's signature on this document.
   a. **Prior to submitting your request**, send original and completed grant application to Curriculum Office at the Administration Building.
   b. **Include signed/approved** copy along with original grant application to the funding source.

2. Once Assistant Superintendents review the grant and sign this form, a copy of the signature page will be returned to the building principal.

3. In order to accept a successful grant of $2500 or more, Board approval is required.

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Project Title: Advancing Career and Technology Education Through 3D Printing Innovation

Funding Source: DC Everest Education Foundation

Name(s) of Grant Writer(s):

Name	Signature	Email
Stacy Heise		sheise@dce.k12.wi.us

Amount Requested: $3000 Total Project Cost: $3000

Targeted Age Group/Grade: 8th and 9th School: DCE JRH

Date of Request: 1/9/25 Signatures:

Principal Approval: ☑ Yes ☐ No [signature]

Assist. Superintendent of Learning: ☒ Yes ☐ No [signature]

Assist. Supt. of Business/Personnel: ☑ Yes ☐ No [signature]

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All grants having a **value of more than $2,500** shall be accepted by the Board. The Superintendent may accept gifts of lesser value for the Board.

Superintendent Approval: ☒ Yes ☐ No [signature]

School Board Clerk: ☐ Yes ☐ No ____________

The D.C. Everest Area School District Federal Tax Number is 39-6007952.

Approved 2/7/2022

D.C. Everest Education Foundation
Grant Application Cover Sheet

All grant applications must be submitted to the D.C. Everest Education Foundation via email at dceverestfoundation@gmail.com or mail at DCE Education Foundation, PO Box 114, Schofield, WI 54476 by the first Wednesday of the month to be considered for approval by the board at their second Wednesday of the month meeting.

Project Title: Advancing Career and Technology Education Through 3D Printing Innovation

Date of Request: 1/9/25

Amount Requested: $3000 Date Funds Needed: asap

Total Project Cost: $3000 Targeted Grade(s): 8+9

Are there additional funders? X No ___ Yes (Please list): _____

Name of Grant Writer(s)	Signatures(s)	Email address(es)
Stacy Heise		sheise@dce.k12.wi.us

School: DCE JH Principal: Jason McFarlane

Principal's Signature:

Please complete this form and attach it to your application

Grant Proposal: Enhancing Junior High Tech Ed Course with 3D Printing Technology

Proposal Title: Advancing Career and Technology Education Through 3D Printing Innovation

Submitted By: Stacy Heise
School Name: DC Everest JR High
Date: 1/9/25

Introduction:

The DC Everest Junior High Technology Education Department is dedicated to preparing students for the evolving demands of the modern workforce. By providing hands-on experience with cutting-edge technology, students gain critical skills in design processes, problem-solving, and innovation. To further enhance this program and offer a truly transformative learning experience, we seek funding to acquire eight 3D printers. This investment, totaling approximately $3,000, will empower students in Design for Technology and Engineering courses (approximately 175 students per year) to bring their creative ideas to life and better understand the real-world applications of technology.

Statement of Need:

Our students are eager to explore emerging technologies that are reshaping industries worldwide. However, our current resources are limited. The existing 3D printers are over 7 years old and are no longer being manufactured, we lack the ability to make any repairs to them. Access to 3D printers will:

1. **Support STEM Learning:** Strengthen skills in science, technology, engineering, and mathematics by providing hands-on opportunities to apply classroom concepts.
2. **Encourage Innovation:** Foster creativity and innovation by allowing students to prototype and test their designs.
3. **Enhance Career Readiness:** Introduce students to technologies used in industries such as manufacturing, healthcare, and aerospace, preparing them for future careers.
4. **Promote Equity:** Ensure all students, regardless of socioeconomic background, have access to advanced technology and the opportunity to succeed in a tech-driven world.

Objectives:

1. Integrate 3D printing into at least 50% of course projects by the end of the academic year.
2. Increase student engagement and learning outcomes by offering interactive, project-based experiences.

Implementation Plan:

1. **Acquisition:** Purchase eight reliable and easy-to-use 3D printers. Models such as Ender S1 Pro have been identified as suitable for our classroom needs and budget.
2. **Curriculum Integration:** Incorporate and expand 3D printing into existing modules such as engineering design, architectural modeling, and product development.
3. **Student Projects:** Facilitate student-driven projects where they can design, print, and iterate on their creations.

4. **Evaluation:** Assess the impact of 3D printing on student engagement, learning outcomes, and career readiness through surveys and project evaluations.

Budget:

Item	Quantity	Cost per Unit	Total Cost
3D Printers	8	$339.99	$2720
Filament Supplies	6 rolls	$25	$150
Maintenance & Misc	-	$130	$130
Total			**$3,000**

https://www.amazon.com/Official-Creality-High-Temp-Extruder-8-6%C3%978-6%C3%9710-6in/dp/B09VB34771/ref=sxin_16_pa_sp_search_thematic_sspa?content-id=amzn1.sym.b4ac65ae-0048-4fbb-a310-b5c6291ff88b%3Aamzn1.sym.b4ac65ae-0048-4fbb-a310-b5c6291ff88b&crid=1VY3B4O5NBT64&cv_ct_cx=ender+3+s1+pro&keywords=ender+3+s1+pro&pd_rd_i=B09VB34771&pd_rd_r=8b77caa2-bd67-4c56-a750-3625f07dd641&pd_rd_w=WOXOP&pd_rd_wg=KaVAH&pf_rd_p=b4ac65ae-0048-4fbb-a310-b5c6291ff88b&pf_rd_r=6S1BNV73DFH0A557QC01&qid=1736427538&sbo=RZvfv%2F%2FHxDF%2BO5021pAnSA%3D%3D&sprefix=ender+3+s1+pro%2Caps%2C90&sr=1-1-2c727eeb-987f-452f-86bd-c2978cc9d8b9-spons&sp_csd=d2lkZ2V0TmFtZT1zcF9zZWFyY2hfdGhlbWF0aWM&psc=1&smid=A2ALB3RMNIRLH8

Conclusion:

By investing in eight 3D printers, we will transform the Junior High Technology Education course into a hub of innovation and creativity. This project will not only enhance our students' educational experience but also equip them with the skills and knowledge they need to excel in a technology-driven future. We respectfully request your support in making this vision a reality for our students.

Contact Information:

Stacy Heise
Technology Education Teacher
DC Everest JR High
1000 Machmueller
715-359-0511 X-3106