WDE

Opportunity Through Education

Jillian Balow – *Superintendent of Public Instruction*

2020 -21 Trust Fund Grant
Proposed Projects to be Funded

Total Funds Requested: $591,651.09 – Total Funds Awarded: $250,000

Fremont County School District #1 $49,950.00 "Building Excellence for STEM Students and Teachers"
Fremont #1 has a goal to enable their teacher's capabilities to understand and incorporate computer science, analytical reasoning, and computational thinking. They will accomplish this through a targeted approach to professional development opportunities. They will align their resources with Wyoming state standards and internal computer science curriculum standards. Another goal in Fremont #1 is to increase the participation and engagement for PreK-8 students by offering a diverse menu of activities focused on strengthening computational thinking, creativity, STEM concepts, and analytical thinking skills.

Washakie County School District #2 $49,988.91 "Pioneer CS-STEM Lab"
Washakie #2 proposes to utilize the Grant to equip Ten Sleep School with technology and equipment to enable the advanced integration of STEM and computer science at all grade levels. This Grant will enable computer science skills, computational thinking, critical thinking, and problem solving strategies for their student population of Pre-K through Grade 12. In incorporating and building the CS-STEM Lab, Ten Sleep School will incorporate a Robotics Team to compete in the Wyoming First Tech Challenge.

Weston County School District #1 $49,713.00 "Bolstering Computer Science Education and Implementing a Makerspace in New Castle High School"
Weston #1 proposes to utilize this grant to build a Makerspace to enhance their Computer Science curriculum beyond one class which was implemented last year. Additionally, teachers and faculty utilize the makerspace with middle school and elementary school students. The use of the makerspace will not be limited to those enrolled in the CS course. All students will have access to engage in STEM related materials. The grant aims to increase participation in the science fair, grow participation in the Maker Faire, improve performance on local assessments, and provide professional development to support student learning.

Fremont County School District #24 $40,000.00 "Let's Boot it Up Wyoming"
Fremont #24 proposes to utilize the Grant to create a Security and Blockchain micro-credential. Additionally, Fremont #24 will create a technology committee to develop educational resources to meet Wyoming Computer Science requirements.

Park County School District #6 $20,348.09 "Cody Middle School Computer Science Design and Creation Center"
Park #6 will utilize the grant to purchase computers and equipment to remedy Computer Science shortfalls which are currently leading to a 30% computer failure rate during time on instruction. They will also utilize the Grant to establish the creation of a design center to engage in community projects.

Natrona County School District #1 $40,000.00 "Building STEM Thinkers Through CTE and Computer Science"

Natrona #1 will utilize the grant to establish a Robotics I and Robotics II course. Robotics I will be an introductory STEM Course utilizing the LEGO MINDSTORMS EV3 Kit. Robotics II will expand into mechatronic principles and programming and the integration of computer science standards.