

Brewer School Department was awarded: \$2,738,337.39 for ESSER 3 Funds through the American Rescue Plan

Here are the proposed projects on how the district would like to allocate this money:

Tutoring Center: (334,000.00)

Brewer High School will be establishing a tutoring center in the 2021-2022 school year, that will target students that are from low-income families, have learning disabilities and students that have fallen behind in their studies. The tutoring center will be overseen by a certified teacher who will keep track of referrals, coordinate resources and also provide targeted instruction. The center will also staff other tutors and teachers from the high school to support a wide variety of subject areas where students maybe struggling. Supplies for the center will include on line resources and instructional materials. The center will be funded by grant monies for the first 3 years and then locally funded.

The assessment of the success of the tutoring center will be tracked by student progress in their courses. Students who attend the tutoring center will be monitored through Brewer's learner management system where attendance, completion of work and proficiency of targets are kept.

Monies for this project will support the hiring of the Tutor Coordinator/Instructor and supplies for the center. Supplies will include on line resources and instructional materials.

Social Emotional Support System: (211,667.00)

This project will target supporting students that have just simply "fallen through the cracks" during the pandemic. It will target our chronically absent students, those in foster care, learning disabled, students experiencing homelessness, and students from low-income families. This population of students are made up of white, black or African American and Hispanic ethnicity. During the pandemic students that have been not able to access social/emotional supports due to lack of supports or lack of attendance will now have a fulltime social worker that will track these students and provide targeted instruction to give them skills to cope with social and emotional issues. The social worker will also work with our Equity and Inclusion Task Force to make sure all students are receiving the supports and instruction needed to be successful. The social worker will be funded by grant monies for the first two years 2021-2023 and then locally funded after.

To evaluate student progress, attendance, work completion and proficiency of learning targets will be kept with the learning management system. The social working and Brewer's student success team will track this information in their weekly meetings.

The monies in this grant will support a fulltime social worker at the high school for two years.

Improving Air Quality at Brewer High School: 2,190,669.9

The Brewer High School indoor air quality project is targeted at addressing all aspects of the inadequate ventilation and relatively poor indoor air quality of the school. The current ventilation / air exchange strategy at the school is based on many decades old equipment providing ventilation at rates found to be ineffective by modern codes and guidelines. This antiquated ventilation equipment is additionally unable to accept MERV-rated filters higher than 8 and therefore is woefully inadequate to filter out bacteria and viruses, especially viruses as small as Covid-19, which require MERV 16 or better.

Part of the new ventilation strategy involves keeping the building under a slight negative pressure. This ensures that stale air is constantly being pulled out while clean air is pushed in. For energy efficiency, the ventilation equipment utilizes an energy recovery system to transfer as much heat (in colder months) or cold (in warmer months) from the exiting stale air to the incoming fresh, filtered air as possible. This is achieved without the two air streams touching, so no contaminants are passed along with the transferred heat or cold.

A critical part of achieving this negative pressure involves air sealing the entire building envelope. To this end, modern, air-sealed, non-operable windows will replace the leaky, operable, decades old existing windows and additional insulation, caulking, and other air-sealing measures will be employed through the existing building envelope. Once properly air sealed, the non-operable windows ensure that there are not gaping holes in the building envelope that defeat the design for building-wide negative pressure.

This design, while great for ventilation, does have an impact on thermal comfort in the warmer months. To this end, adding cooling capabilities to the ventilation / HVAC system will provide this thermal comfort and provide fresh air at the appropriate temperature for ideal learning conditions year-round. The additional insulation added as part of the air sealing strategy will work to keep this conditioned air in the building, utilize significantly less energy to do so, and allow the ventilation / HVAC system to be sized much smaller than it would otherwise need to be.

Brewer High School has additional indoor air quality issues that will also be addressed in this project. Part of the original heating system involved a large steam pipe that ran the length of the wings of the school. This pipe was installed in an open trench covered only by casework in each room, effectively leaving each room wide open to the soil

below. Radon (if present) and other soil gasses currently have no barrier to entering these rooms and the school. As we tighten up the building, especially putting it under negative pressure, providing a barrier to these soil gasses is critical. Additionally, the vast majority of classrooms still have the original asbestos floor tiles installed in the 1960s. Modern guidance tells us that the best strategy for dealing with asbestos is to leave it in place and encapsulate it whenever possible. To this end, this project seeks to cover and encapsulate the existing flooring with a new, durable flooring surface in select rooms, that will eliminate any potential exposure to asbestos within the school, as the other sources of asbestos a student could come in contact with have been eliminated in past projects.

Given that this project is in a public school, the timeline for the completion of this work is slated for the 2022 summer break. This is a tight schedule but given our experience with past work of this nature we believe it to be achievable.