

Project Title: Build Your Own Guitar

Teachers Name: Geoffrey Bergen Grade: 8 Subject Area: Technology Education

School: Whisconier Middle School Principal: Dr. Genie Slone

School Address: 17 West Whisconier Road, Brookfield, CT 06804

Teacher's Phone: 203-775-7710 Email: bergeng@brookfield.k12.ct.us

Fax: 203-775-7615

Total Amount Requested: \$360.00 Date funds will need to be available: ASAP

Project Description:

1. Project Overview: *Briefly describe your project. What are your goals? How does this project support present and future educational objectives? What prompted the idea for this proposal?*

Students will be constructing their own acoustic guitar using a kit purchased through US guitar Kits, Inc. Students will learn the terminology and the techniques focused on many of the specialized processes to complete their own personalized instrument. This project fulfills the independent project (students choose a project to complete on their own that will allow them to explore an area of interest) for the Technology Education 8th Grade curriculum and will tie in with the future idea of students making these instruments (first semester) and enrolling in the Music department's Beginning Guitar course (2nd semester) where they will learn how to play their handcrafted instrument [collaborative effort].

2. Project Implementation: *State methods and activities*

Students will be following the procedures outlined in the manual and available videos (both available online) to construct their guitar. The steps are very specifically outlined in these two sources. Students will also receive individual or small group direction and assistance when required. We can also arrange for an evening session with the president of US Guitar Kits, Inc. if needed or desired. Students will also be encouraged to keep notes and a digital record (photos/blog) of their work.

3. Evaluation: *How will you know you have reached your desired objectives? What measurements will you use?*

Evaluation at this stage will be to examine a finished guitar and look for completion of all steps properly. Student manuals contain areas for notes and students will also be required to submit feedback to instructor. This will be passed along to US Guitar Kits, Inc. as they are excited to support this program in a secondary school environment.

4. Project Duration: *How long will your will your project take to complete? What are your plans to continue this project after the grant period ends? How?*

This project will take students approximately 20-30 hours to complete. Students will use class and some after-school sessions to ensure the completion of the guitar kit. I plan on implementing this with more students next school year and possibly offering a summer course this summer.

5. Community Impact: *List the number of students directly involved in the project. List the number of individuals involved or benefiting indirectly and how.*

This is a pilot program with 2-4 students currently enrolled in Technology Education class planning on participating. Another 10-12 students (currently enrolled in beginning guitar) have also expressed interest. Some guitar kits could be purchased by the Music Department and built to be used by students who cannot afford their own guitar. [Future Impact].

6. Project Budget: *If awarded, how do you propose to utilize the funds?*

Item Tool Kit (25 spool clamps, 1 binding/purfling router bit set (bit and 4 bearings), 1 flush cut router bit, 1 fret leveler file (double cut), 1 single edge medium crowning file, 1 20" fretboard radius block, 1 fret hammer, 1 double edge fret files (set of 3), 1 tapered reamer, 1 brdge clamp, 1 high grit foam sanding pads (set of 4).

Total: \$360.00