

MAKER PROJECT

MINI MAKER FAIRE INFORMATION

2014-2015

We are excited to announce that we will hold our first ever *Mini Maker Faire* on Thursday, May 21st from 4-7 at Hickman Charter School!

WHAT IS IT?

Our Mini Maker Faire is an opportunity for makers to get together to display their projects and for our school community to celebrate the great work our young makers have been doing. Additionally, there will be several hands-on activities for attendees to participate in.

Student makers will display their completed projects in an interactive setting. Student makers will attend their projects for part of the Faire so as to answer questions about their project, talk to visitors and fellow makers about the successes and challenges involved in making their project, and demonstrate how their project works.

WHO CAN PARTICIPATE?

All students at Hickman Charter School are eligible to participate as long as they submit and get approval for a project proposal.

HOW DOES MY STUDENT GET INVOLVED?

1. If he or she didn't already get one at the Prototyping Workshop, pick up a *Maker Project Guide* from your EC.
2. Request admission to the Maker Garage Classroom from Ellen Hansen, (ehansen@hickmanschools.org). This is optional for students in grades K-5.
3. Plussing Sessions - group sessions where students brainstorm and help each other refine their project ideas
 - a. Students in grades 6-8 must attend at least one Plussing Session. (Although one is required, it is strongly suggested that students attend two or more sessions.) There will be two sessions offered on each of the following dates (all are Thursdays) from 10-11:30am or 1-2:30pm: 1/29, 2/5, and 2/12. (For more information on Plussing Sessions please see the *Maker Project Guide*.)
 - b. Students in grades K-5 are encouraged to attend one Plussing Session. Dates and times will be announced.
4. Submit a project proposal.
 - a. Students in grades 6-8 should submit a proposal through Google Classroom by 2/19/15.
 - b. Students in grades K-5 may use Google Classroom or may submit a proposal in writing Arianne Allen(aallen@hickmanschools.org) or Joanne Kenoyer (jkenoyer@hickmanschools.org)
5. Once you have received approval, start building! Students are encouraged to work on projects at home as well as in the Maker Garage. The Garage will be open on the following Thursdays from 9am-3pm: 2/26, 3/5, 3/12, 3/26, 4/16, 4/23, 4/30, and 5/14.
6. Document your progress and prepare a display explaining the development of your project.
7. Display and demonstrate your finished project on May 21, 2015.

HOW DO PARENTS PARTICIPATE?

Parents should expect to support their students through the design and construction process. (Teacher mentors will be available to help as needed.) We are asking students to engage in a months-long process of developing, designing, and constructing a project. This is a significant endeavor for students which involves making goals, setting schedules, and meeting deadlines. There are sure to be bumps in the road and parent support through this process is integral to the success of the student. With that said, remember that this is a student-driven project and the final product should reflect the student's own work. Imagine how proud and accomplished your student will feel at the end of this process!

Parents of grade 6-8 students are invited to attend Plusing Sessions as well as building sessions and are expected to remain on campus while students are working. However, *if your student is in grades K through 5, a parent **must** accompany the student while working in the Maker Garage. No younger siblings will be allowed and childcare will not be provided.*

ADDITIONAL QUESTIONS

- *How do we get project supplies?*

Many supplies for projects are available in the Maker Garage. Special tools, equipment and supplies may be acquired for approved projects but this will be at the discretion of the Maker Garage teachers.

- *What if I can't make any of the Thursday sessions?*

Contact the Maker Garage teachers to make other arrangements. We can't guarantee additional availability, but we will certainly try! (Monique Capp, mcapp@hickmanschools.org & Ellen Hansen, ehansen@hickmanschools.org)

- *Grandma loves candle making and Grandpa loves woodworking. Can they help too?*

Yes, grown-ups with specialized knowledge are a valuable resource. Please contact the Maker Garage teachers if you have someone in mind.

- *Can a Maker Project involve making food?*

Yes, although there are no facilities at school for this purpose. A food Maker Project would have to be completed at home.

- *Can a Maker Project be a performance?*

Your Maker Project does not have to be a made object. You could do a demonstration, create a video, or put on a performance, as long as you are challenging yourself and creating something new.

- *Can students work together on a project?*

Yes! Students who have a shared interest are welcome to work together as long as each member of the group is sharing the work.

- *Can a student do more than one project?*

Yes, with approval.