

Cub Manufacturing News October 28, 2016

In this issue we will be going over the new equipment we received, projects being finished and started, and job descriptions, roles and responsibilities.

Projects:

We were assigned by the school to make all the faculty members a “No Cell Phone” boxes. Where a cell phone can easily slip through the slight and is locked on the outside. The slight it just big enough for cell phone but not for hands to slide through and grab the phone.



Weight Room:

We have another project as part of the improvements to the weight room. We have been asked to build weight bars. The project is new for us as we need to research concepts, dimensions and design; but we are ready for this challenge!

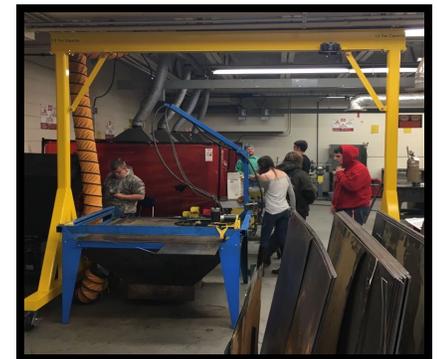
A Different Spin on Golf:



Mr. Koren, a math teacher at MCHS, came to us and asked that we create a 9-hole Frisbee golf game for him. If you don't know what frisbee golf is, it's like golf but instead of hitting golf balls into a cup/hole you use toss a frisbee into a baskets. With a little quick research it seems like a game of angles and accuracy, much like math. While the equipment looks pretty portable, the design is pretty detailed. Like the weight racks, this will be a new learning experience for us!

Organizing the Shop:

With some of the free time we've had waiting for more information on the projects. We've reorganized most of the metal and tubing that we currently have available in the shop. Happily we only lost three fingers and a foot...JOKING we all got out of with only minor cuts and bruises.



New Equipment:

Speaking of metal, we are very excited to share that we have added a magnetic crane to our growing list of shop equipment. The crane allows us to grab the metal sheets, pick it up, and place it onto the PlasmaCam for us to cut out the pieces for the customer. With better techniques and less time wasted moving heavier pieces. We can be more productive! What used to take 3-4 minutes we can now do within 1 minute. It's huge!!!!

Jobs Descriptions, Roles & Responsibilities:

In all jobs it is necessary to understand what the expectations are and how the individual roles and functions feed into the larger success of the operation. We have spent time defining and assigning job duties and roles within the class and shop. These roles will help our students learn the responsibilities that they may be given in the near future. We have done a fair trial to decide who gets

what jobs. Here is what we have developed so far, understanding these jobs may change in the future.

Accounting Responsible for tracking of orders, invoices, and receipts. Tracks accounts payable and accounts receivable. **(Holley)**

Marketing-Responsible for the actions or business of promoting and selling products or services , including market research, and advertising. **(Brady)**

Digital and Social Media News- Responsible for communicating with with our teachers, our community, local businesses and leaders, and a regional list individuals who are interested in what is going on in our class. This is a platform we utilize to showcase products we design, produce, and sell as a way to generate funds back into our program. **(Daman)**

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Engineering- Responsible for working knowledge and use of Inventor Pro. Ability to take drawings and turn them into CAD files. Ability to correctly use precision measuring equipment. Can communicate effectively with people. **(Dean)**

Human Resources- Responsible for finding, screening, and recruiting additional students to the program. Responsible for making sure all employees are on task. Point of contact should situations arise. Responsible for information exchange and paperwork distribution. **(Chance)**

Inventory- Inventory associates, also known as auditors or material recording clerks, work with shipping and receiving. Associates make sure all shelves are well-stocked. Responsible for material records, create reports, and track supplies. **(Coleman)**

Shipping and Receiving-Responsible for tracking inventory levels of steel, handling all aspects of shipping and receiving, and keeping accurate records. **(Tanner)**

Safety Coordinator-Responsible for adherence to PPE policy, shop safety and organization, and hazardous material management and storage. **(Ryan)**

Portfolio Specialist- Responsible for project records, standards, and processes. Organizing all files (digital or paper) for each project in the event they need to be revisited in the future. Documents may include: Inventor Pro files, .dxf files, Google docs stating operations of machines, dimension information, design elements, etc. **(Emyly)**

PlasmaCam Specialist- Responsible for knowledge and operation of CAD and working knowledge of what files types are necessary and how to convert various file types to meet job needs. Working knowledge of how to load steel on machine, change consumables on machine head, and understands the procedures and operations of machine.**(Andrew)**

Tool Manager- Responsible for inventory and tracking of all tools and utensils. Makes sure when taken for use, they get put back and in their respective places. If damaged or low on consumables, notifies the proper personnel with list of items needed to be ordered. **(Kenzie)**

We all hope you have a fantastic week and stay tuned for the next newsletter in 2 weeks!