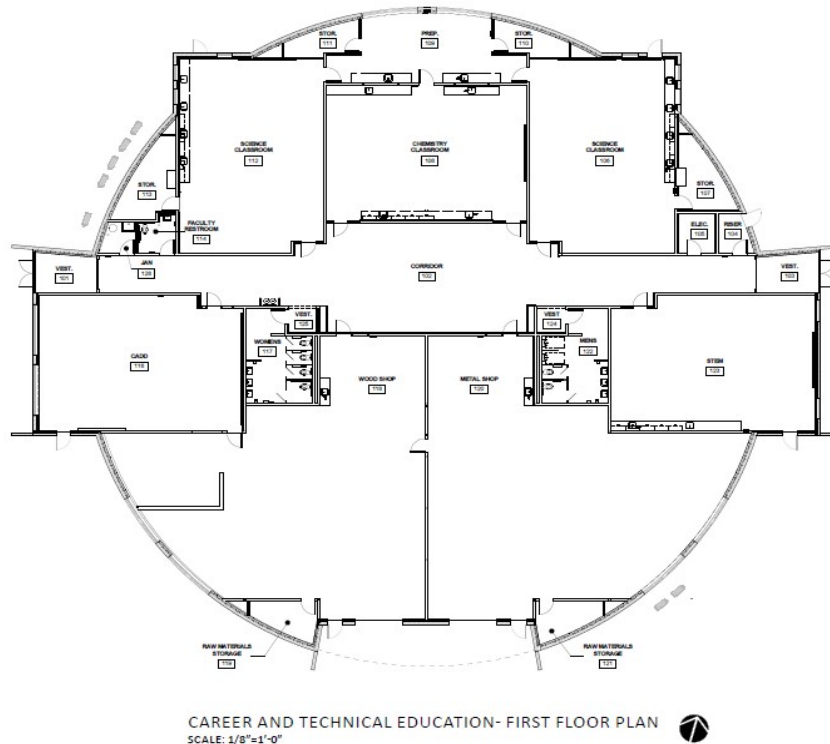


Yamhill Carlton Career and Technical Education Building



The Science and Career Technical Education (CTE) Building will serve high school and 7th & 8th grade students. It has 7 instructional spaces: High School (HS) Chemistry, 7th & 8th Grade Science, 7th & 8th Grade STEM (Science, Technology, Engineering, Math), Metal Shop, Wood Shop, CADD (Computer Aided Drafting and Design), HS Biology. This teaming of Science with CTE will allow teachers to share knowledge and equipment and create an innovative learning environment for YC Students to prepare for 21st century careers.

- The building is a monolithic dome that has been modeled to move 1/8 inch in a 9.0 earthquake. Domes like this one are used as hurricane and tornado shelters in Texas.
- The top of the dome is 6 inch thick concrete and the edges are 16 inches thick.
- It has 400 yards of concrete weighing 1.6 million pounds supported by a mesh of steel.
- Its massive thermal mass makes it less expensive to heat and cool than a similar sized building of traditional construction.
- It is between \$60 - \$80 dollars per square foot less expensive to build than traditional school construction.