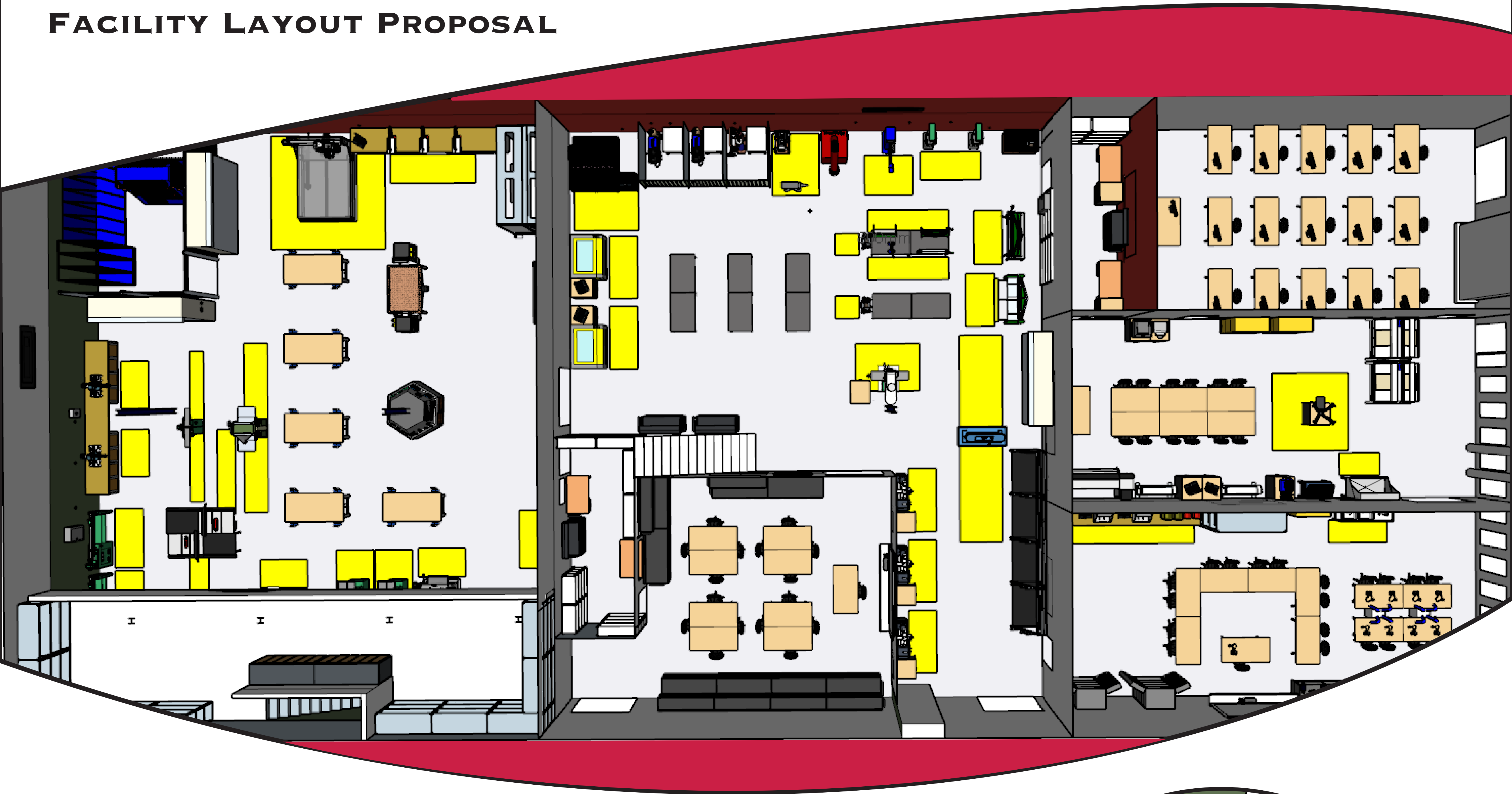


**INDUSTRIAL ARTS TEACHER EDUCATION
FACILITY LAYOUT PROPOSAL**

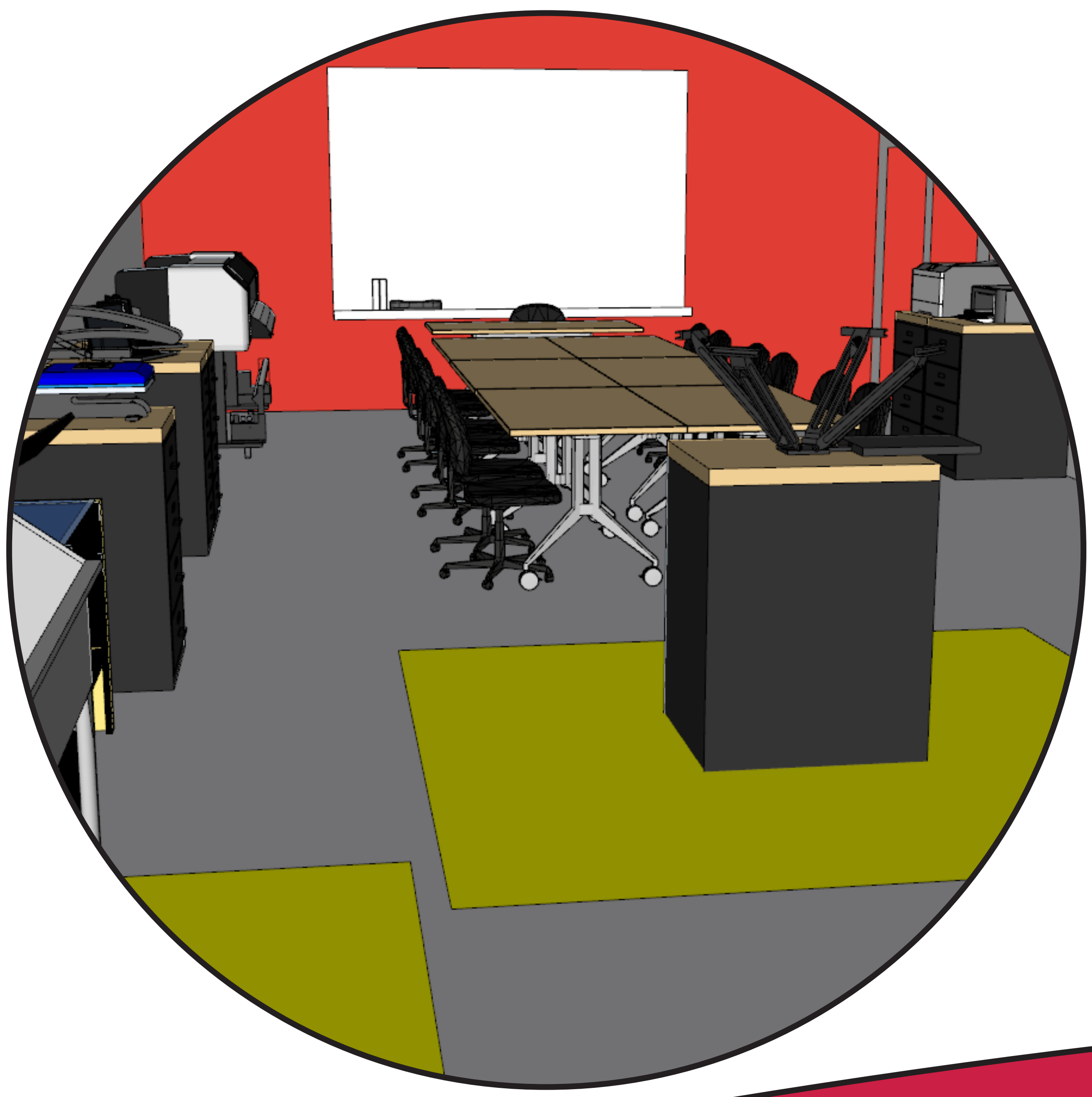
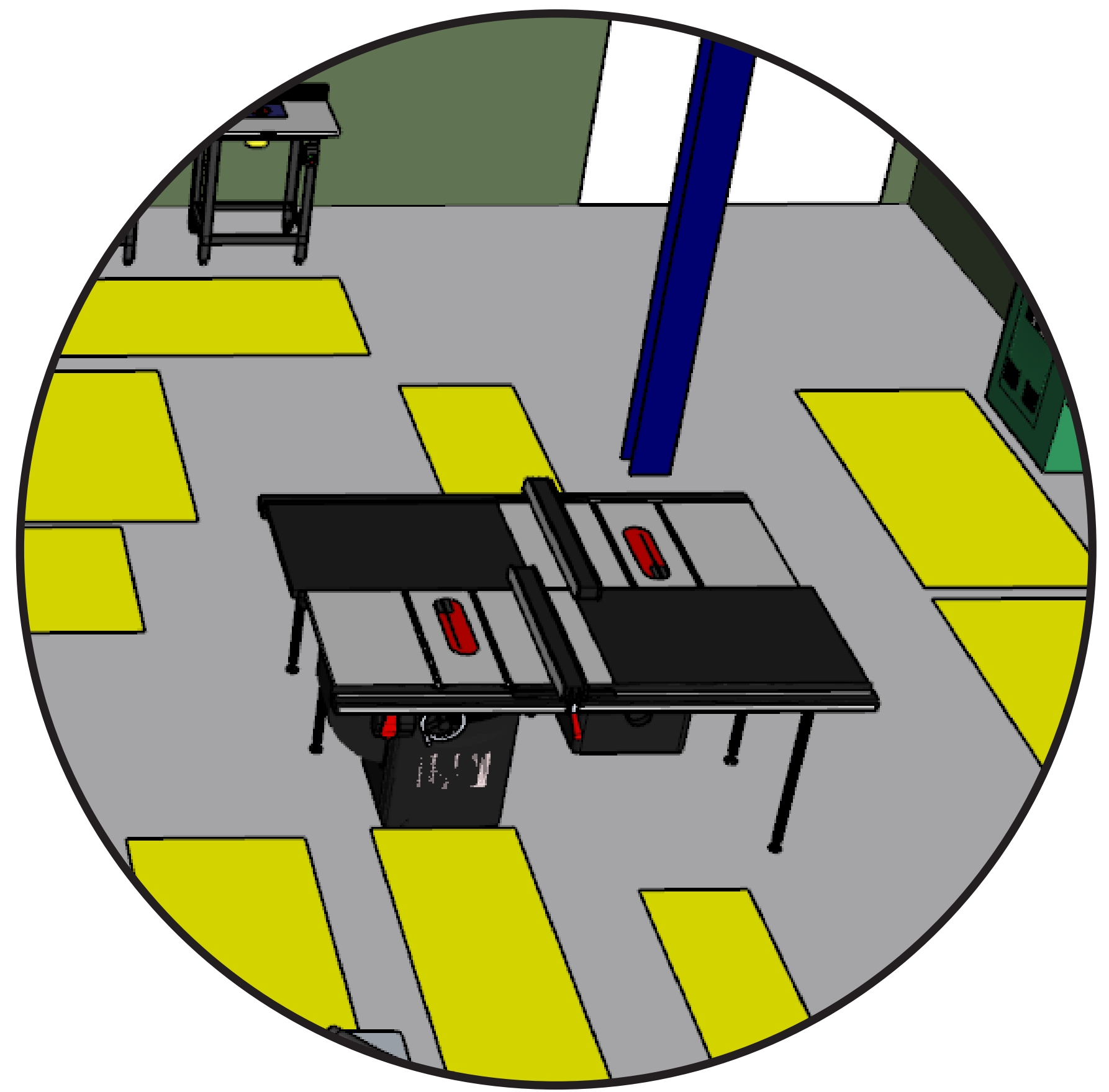


PROPOSED IDEA

WE PROPOSE SEPARATING THE METAL AND WOOD MANUFACTURING LABS. THE PROPOSAL ALSO INCLUDES THE ADDITION OF THREE NEW SHOPS: B118A, B AND C. LOCATING ALL LABS TOGETHER SETS CROSS-DISCIPLINE COLLABORATION AS THE GOLD STANDARD FOR INDUSTRIAL ARTS PROGRAMS.

PLANNING FOR THE FUTURE IS A CRUCIAL PART OF THIS PROPOSAL. BY CREATING A FLEXIBLE SPACE THAT CAN ADAPT TO CHANGING TECHNOLOGIES AND PEDAGOGICAL METHODS, WE CAN ENSURE THAT THE FACILITY WILL REMAIN RELEVANT FOR YEARS TO COME. THIS MEANS INCORPORATING UPDATED EQUIPMENT AND INFRASTRUCTURE, AS WELL AS DESIGNING SPACES THAT CAN BE EASILY RECONFIGURED TO ACCOMMODATE NEW TEACHING TECHNIQUES OR EMERGING FIELDS OF STUDY.

ULTIMATELY, THIS PROPOSAL IS FOCUSED ON CREATING A STATE-OF-THE-ART FACILITY THAT WILL PROVIDE STUDENTS WITH THE TOOLS THEY NEED TO SUCCEED DURING THEIR TIME IN THE PROGRAM AND BEYOND IN THEIR FUTURE CARRERS. BY EMBRACING INNOVATION AND FLEXIBILITY, WE CAN CREATE A SPACE THAT IS BOTH FUNCTIONAL AND INSPIRATIONAL, ALLOWING STUDENTS TO EXPLORE THEIR CREATIVITY AND REACH THEIR FULL POTENTIAL.



SAFETY

SAFETY IS OF UTMOST IMPORTANCE IN AN INDUSTRIAL ARTS TEACHER EDUCATION PROGRAM, AND WHILE IT IS IMPOSSIBLE TO COMPLETELY ELIMINATE RISKS ASSOCIATED WITH THE USE OF TOOLS IN THE SHOPS, WE CAN TAKE MEASURES TO MINIMIZE SUCH RISKS. ONE SUCH MEASURE IS THE ARRANGEMENT OF MACHINES IN A MANNER THAT NOT ONLY ALLOWS FOR THE OPERATOR TO BE OBSERVED, BUT ALSO OTHERS IN CLOSE PROXIMITY. FOR INSTANCE, IN THE CURRENT LAB, THE TABLE SAW'S KICKBACK ZONE IS DIRECTLY ALIGNED WITH THE CHOP SAW'S OPERATION ZONE. BY REORIENTING THE TABLE, AS IS DONE IN OUR PROPOSED DESIGN, WE CAN MITIGATE THIS RISK AND AVOID ANY POSSIBLE ACCIDENTS BY HAVING THE KICKBACK ZONE FACE AN EMPTY WALL.

IN ADDITION TO THIS, WE HAVE CREATED MORE OPEN SPACE AROUND THE LAB, WHICH REDUCES THE RISK OF TRIPPING HAZARDS AND FACILITATES EASY MOVEMENT. THESE MEASURES ARE AIMED AT PROMOTING A SAFE AND PRODUCTIVE LEARNING ENVIRONMENT THAT ALLOWS STUDENTS TO FOCUS ON THEIR WORK AND EXPLORE THEIR CREATIVITY WITHOUT UNDUE RISK.



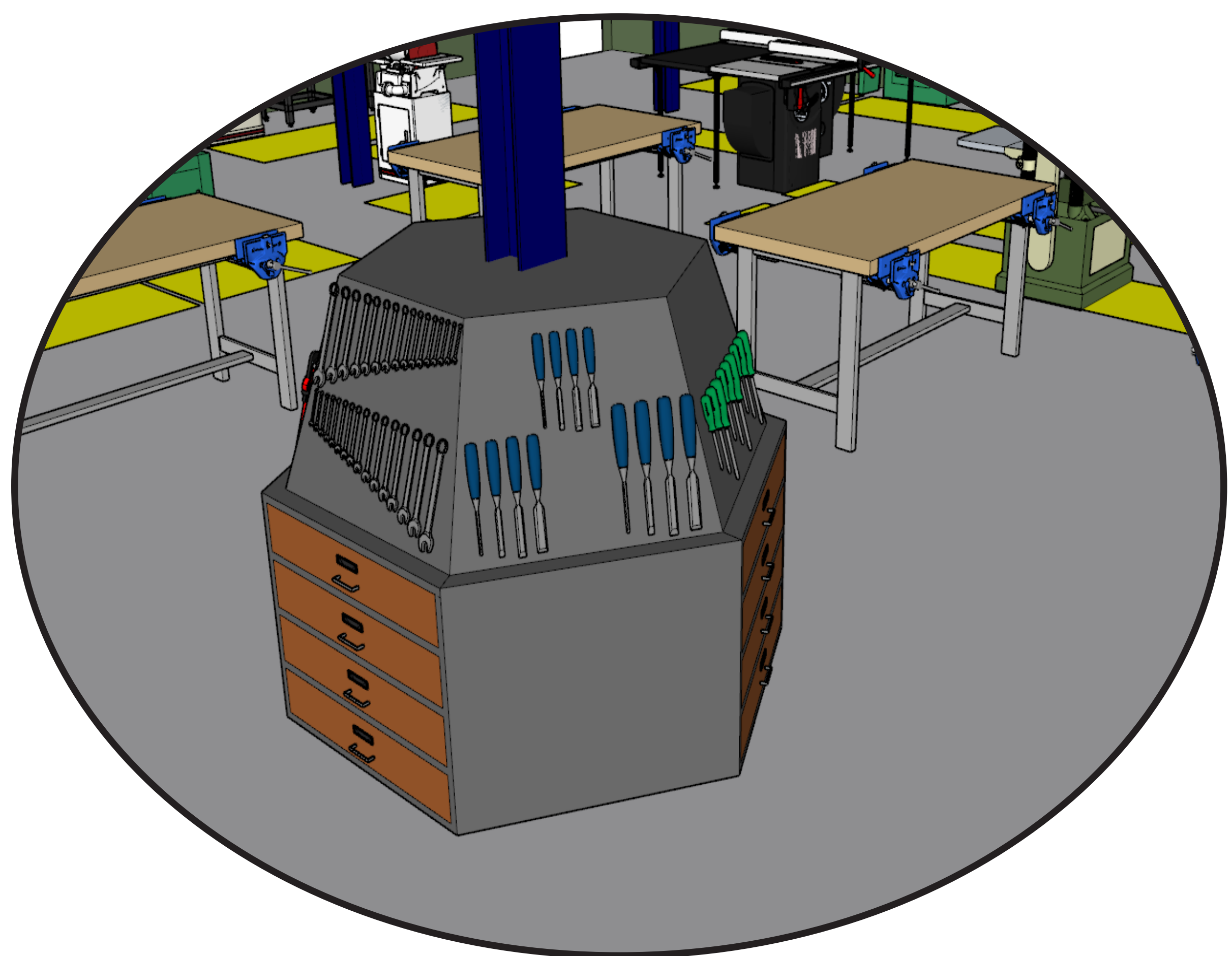
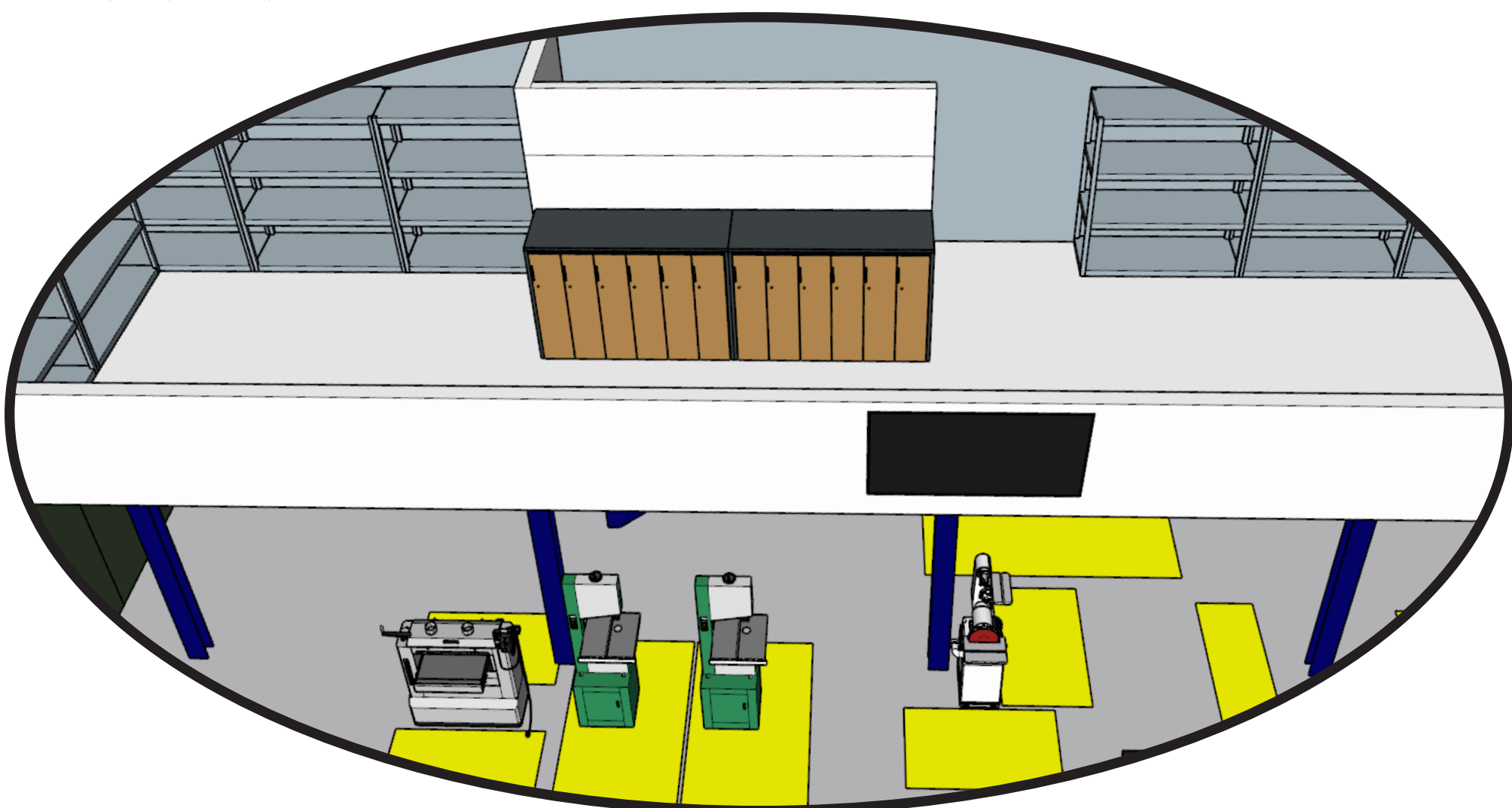
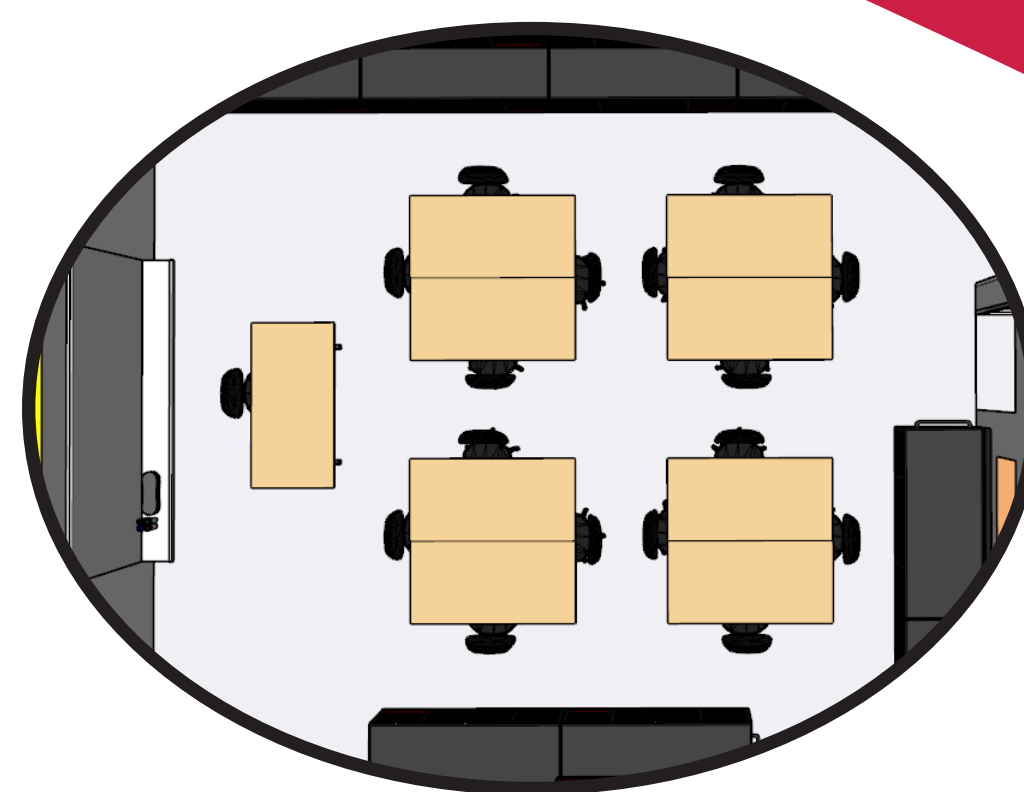
SPACE UTILIZATION

THE EFFICIENT UTILIZATION OF SPACE IS CRITICAL IN AN INDUSTRIAL ARTS LAB, AS IT ENABLES ORGANIZATION, PROMOTES SAFETY, AND PROVIDES STUDENTS WITH AN ENVIRONMENT IN WHICH THEY CAN THRIVE. TO THIS END, OUR FACILITY REDESIGN PROPOSES THE SEPARATION OF B125 INTO A DESIGNATED WOODWORKING LAB AND B117 INTO A DESIGNATED METALWORKING LAB. THIS APPROACH NOT ONLY MINIMIZES THE RISK OF MIXING SPARKS AND SAWDUST, BUT ALSO ELIMINATES CROWDING IN B125 AND ESTABLISHES A MORE STREAMLINED WORKFLOW THROUGHOUT THE ENTIRE FACILITY.

IN THE NEW WOODWORKING LAB, WE HAVE CENTRALIZED HAND TOOL STORAGE AND CREATED WORK AREAS DEDICATED TO EACH STAGE OF THE WOODWORKING PROCESS FROM LUMBER PROCESSING TO SANDING AND FINISHING. THIS LAYOUT PROMOTES EFFICIENCY AND ORGANIZATION, ENABLING STUDENTS TO FOCUS ON THEIR WORK AND LEARN IN A SAFE AND PRODUCTIVE ENVIRONMENT.

SIMILARLY, THE NEWLY ORGANIZED METALWORKING LAB IN B117 ALLOWS STUDENTS TO COMPLETE METALWORKING ASSIGNMENTS USING ANY OF THE METALWORKING TOOLS WITHOUT NEEDING TO REARRANGE THEIR WORK AREA. BY CREATING A SEAMLESS WORKFLOW, THIS APPROACH OPTIMIZES THE USE OF SPACE AND ENSURES A MORE EFFECTIVE AND EFFICIENT LEARNING EXPERIENCE FOR STUDENTS.

OVERALL, OUR PROPOSED REDESIGN PRIORITIZES FUNCTIONALITY, ORGANIZATION, AND SAFETY. WE BELIEVE THAT BY UTILIZING THE AVAILABLE SPACE IN AN EFFICIENT AND INNOVATIVE MANNER, WE CAN CREATE A MODERN AND EFFECTIVE LEARNING ENVIRONMENT THAT WILL PROVIDE STUDENTS WITH THE TOOLS AND RESOURCES THEY NEED TO SUCCEED IN THEIR STUDIES AS FUTURE TEACHERS.



PLANNING FOR THE FUTURE

THE EXISTING ELECTRONICS AND GRAPHICS LABS ARE FRAGMENTED FROM THE MAIN WORK AREA. WITH THIS IN MIND, OUR FACILITY REDESIGN PROPOSAL INCLUDES THE ADDITION OF THREE NEW LABS, NAMELY B118A, B AND C, WHICH WILL DIRECTLY CONNECT OFF OF B117.

BY CREATING THESE NEW SPACES, WE ARE BREAKING DOWN BARRIERS AND FOSTERING AN ENVIRONMENT OF COLLABORATION AND MUTUAL LEARNING. THE RELOCATION OF THE GRAPHIC AND ELECTRONIC LABS, ALONG WITH THE ADDITION OF A NEW DESIGN LAB, WILL ALLOW FOR GREATER EASE OF MOVEMENT BETWEEN LABS, ELIMINATING THE NEED FOR STUDENTS TO WASTE VALUABLE TIME TRAVELING ACROSS THE COLLEGE CAMPUS AND PROMOTING CROSS-DISCIPLINE COLLABORATION.

THIS NEWLY CREATED SPACE WILL ENABLE STUDENTS FROM ALL YEARS OF THE PROGRAM TO WORK TOGETHER MORE CLOSELY, INSPIRING EACH OTHER TO SUCCEED AND LEARNING FROM EACH OTHER'S STRENGTHS. FURTHERMORE, THIS APPROACH WILL FOSTER GREATER COLLABORATION BETWEEN INSTRUCTORS, CREATING A MORE INCLUSIVE AND DYNAMIC LEARNING ENVIRONMENT.