

Subject Area:

INTRO AGRICULTURE MECHANICS 221

Title:

PRIVACY FENCE CONSTRUCTION

Teacher:**School:**

SULPHUR SPRINGS HIGH SCHOOL

Lesson Objective(s) & Career Cluster:

AGRICULTURE/ARCHITECTURE & CONSTRUCTION
THE STUDENT WILL BE ABLE TO DEMONSTRATE THE PROPER PROCEDURES TO USE WHEN LAYING OUT A PERIMETER PRIVACY FENCE. HE/SHE WILL BE ABLE TO SQUARE CORNERS, SET POSTS, CUT HORIZONTAL MEMBERS, INSTALL PICKETS, AND BUILD GATES. THE STUDENT WILL BECOME FAMILIAR WITH ALL THE HAND AND POWER TOOLS USED IN THIS TYPE OF CONSTRUCTION AS WELL.

Activity:

STUDENTS WILL BE BROKEN INTO GROUPS OF TWO'S. THEY WILL BE GIVEN A FENCING SCENARIO UNIQUE TO EACH GROUP. THEY WILL BE RESPONSIBLE FOR FIGURING A BILL OF MATERIALS FOR A PRIVACY PERIMETER FENCE. THEY WILL ALSO DRAW A SET OF PLANS SHOWING ALL MEASUREMENTS THAT WILL BE USED IN THE FENCE CONSTRUCTION. A CUT LIST WILL ALSO BE SUPPLIED BY THE STUDENTS AS IF THEY WERE SENDING THIS TO A CONSTRUCTION CREW HIRED TO BUILD THE FENCE.

Evaluation:

EACH GROUP WILL SWAP PACKETS WITH ANOTHER GROUP TO EVALUATE. STUDENTS WILL MAKE A CRITIQUE SHEET FOR THE PAPERS THEY EVALUATE. THE CRITIQUES AND ORIGINAL PAPERS WILL BE TURNED IN TO THE INSTRUCTOR FOR GRADING. THE BEST PAPER WILL BE USED AS A MODEL FOR A CLASS PROJECT AROUND THE CAMPUS.

Extension/Modification and/or Instructional Methodology:

STUDENTS CAN DRAW A PERIMETER FENCE THEY MAY WANT TO CONSTRUCT AROUND THEIR HOME OR FARM. THIS PAPER MAY BE DRAWN UP AND TURNED IN FOR EXTRA CREDIT.

SCAN Skills:

ORGANIZES INFORMATION, PROBLEM SOLVING, REASONING, ALLOCATES MATERIAL, PARTICIPATES AS A TEAM MEMBER, ARITHMETIC

Cooperative Learning Ideas, TAAS, TEKS Competencies:

THIS TOPIC CORRESPONDS TO TEKS (J) 4; (B) 5; (B) 6 PRIOR TO CLASS STUDENTS WILL BE ASKED TO BRING A PICTURE OR A GROUP OF PICTURES DEPICTING DIFFERENT TYPES OF FENCES IN THEIR NEIGHBORHOOD. STUDENTS WILL USE BOOKS AND INTERNET TO DISCOVER THE NAMES AND COSTS OF THESE TYPES OF FENCES.

Team Project, Guest Speaker, or Field Trip:

AFTER WE PICK OUT A FENCING PROJECT FROM THE PAPERS SUBMITTED, I WILL ASK MR. MATT BELL TO COME SPEAK TO THE CLASS ABOUT THE TYPES OF JOBS HE BIDS ON AND THE DEMAND FOR QUALITY EMPLOYEES.

Resources:

PAPER, GRAPH PAPER, TAPE MEASURER, ASSORTED FENCE BUILDING TOOLS.