WELDING, WOODS, 10:00 – 12:30AM

FABRICATION & CAD

Note: CTE Teachers will have an opportunity to discuss the Skills Day at their February CTE meeting.

*Skills day students competing in a Welding or Woods competition will need a staff chaperone from their own school district to help with supervision.*

Contest Areas:

1. General all around welder

2. Gas Metal Arc (MIG)

3. Gas Tungsten Arc (TIG)

4. Shield Metal Arc (SMAW)

5. Shield Metal Arc (SMAW) - novice

6. Fabrication

7. CAD (Computer Aided Design)

8. Woods (Cabinet Making)

Contest Rules

1.    All participants must be authorized for entry by the local high school.

2.    Participants must meet the qualifications set forth in each contest.

3.   All contests will begin at 10 a.m., unless otherwise specified.

4.   The number of entries allowed per school may vary. The welding contest chairperson will determine maximum, contest limits based on equipment limitations.

5.   Contestants must work independently, without assistance from judges, teachers, fellow students or observers. Contestants may be disqualified for receiving such assistance.

6.    The judges interpret contest rules; their decisions are final.

7.    The above qualifications for entry may be exempted for students with disabilities or other special considerations upon prior approval by welding contest chairperson.

\*1st, 2nd, 3rd place awards will be given in all categories

|  |
| --- |
| **School name =** |
| **Teacher or staff contact name =** |
| **Teacher or staff email address =** |

Please complete the following table and return either:

1. Type into table, save and email to **jphilley@coquille.k12.or.us**

2. Write into table, scan and email to **jphilley@coquille.k12.or.us**

3. Write into table and fax to **541-396-4635**

WELDING ENTRIES

|  |  |
| --- | --- |
| **GENERAL ALL-AROUND WELDER CONTEST** |  |
| **Names** | **Grade Level** |
| **1.** |  |

One contestant per school. Blueprints for this contest will be given to each contestant at the beginning of the competition (All contestants will have a copy of the same blueprint).

|  |  |
| --- | --- |
| **GAS METAL ARC WELDING (MIG)** | **Juniors/Seniors only** |
| **Names** | **Grade Level** |
| **1.** |  |
| **2.** |  |
| **3.** |  |

|  |  |
| --- | --- |
| **GAS TUNGSTEN ARC WELDING (TIG)** |  |
| **Names** | **Grade Level** |
| **1.** |  |

\*GTAW limited to One (1) contestant per school due to equipment limitations.

WELDING ENTRIES continued

|  |  |
| --- | --- |
| **SHIELD METAL ARC WELDING (SMAW)** | **Juniors/Seniors only** |
| **Names** | **Grade Level** |
| **1.** |  |
| **2.** |  |
| **3.** |  |

|  |  |
| --- | --- |
| **SHIELD METAL ARC WELDING (SMAW) – NOVICE**  |  |
| **Names** | **Grade Level** |
| **1.** |  |
| **2.** |  |
| **3.** |  |

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CAD - Computer Aided Design

**Description:**

Students will utilize a CAD program to create a blueprint of a part or assembly.

Programs available in contest:

1. AutoCAD

2. SOLIDWORKS

3. Rhino

OR a student may bring their own CAD program on their own laptop

|  |  |
| --- | --- |
| **CAD** |  |
| **Names** | **Grade Level** |
| **1.** |  |

CAD limited to One (1) contestant per school due to equipment limitations. If CAD entries are low in number, we will contact schools to allow additional CAD entries.

WOODS – Cabinet Making

**Description:**

Students will create a woods project from blueprints in the time allotted.

|  |  |
| --- | --- |
| **Woods** |  |
| **Names** | **Grade Level** |
| **1.** |  |

 METAL FABRICATION

**Description:**

Students will create a metals project from a blueprint.

|  |  |
| --- | --- |
| **Metal Fabrication** |  |
| **Names** | **Grade Level** |
| **1.** |  |

LATHE

**Description:**

Students will create a metal project from a blueprint.

|  |  |
| --- | --- |
| **Lathe** |  |
| **Names** | **Grade Level** |
| **1.** |  |

MILLING

**Description:**

Students will create a metal project from a blueprint.

|  |  |
| --- | --- |
| **Milling** |  |
| **Names** | **Grade Level** |
| **1.** |  |