



Project  
**Welding**  
SECONDARY

## 1 INTRODUCTION

Welding secondary tasks

## 2 DESCRIPTION OF PROJECT AND TASKS

### 2.1 Tasks that may be performed during the contest.

Theoretical elements

The contest's theoretical portion is limited to the knowledge required to execute the practical work. These elements are integrated into the contest for evaluation purposes, and include the following skills:

- Interpretation of plans (engineering drawings)
- Interpretation of welding symbols
- Knowledge of base metals and filler metals
- Adjustment of welding machines
- Workplace safety rules

#### Notes:

- All measurements are shown in metric.
- All instructions and plans will be provided in English and French.

### 2.2 Practical Task

- Shielded metal arc welding (SMAW) mild steel
- Gas metal arc welding (GMAW) mild steel
- Flux core arc welding (FCAW) mild steel

### 2.3 TASK

The following types of joints and positions **may** be included.

Assemble and weld mild steel structures:
SMAW, GMAW
Plate: 1G, 2G, 3G, Fillet Weld: 1F, 2F, 3F,4F, 5F Pipe may or may not be included

