

# **Branch: Production of boiler works and metal structures**



**Code:** PRBWMS

**Option:** Production of boiler works and metal structures

**Level :** BEP

**Prerequisites :** BEPC and/or CAP

**Opportunities :**

In industry, for companies, mainly sheet metal, boiler and metal works, where sheet metal, tubes and profiles are processed.

## **Description**

In the workshop:

- to produce, in a sheet metal shop, using mainly thin sheet metal, the elements and parts

In the workshop: to produce, in a sheet metal shop, using mainly thin sheet metal, the elements and parts which will be used for various products, from metal furniture to the components of the TGV or the Ariane rocket

- to build tanks, public works equipment and industrial piping in a boiler works, using thicker materials

- to manufacture, in a metal works, from sheet metal, tubes, profiles, aluminium, steel, stainless steel or plastic, the various elements of an oil platform, a silo, a window, balconies....

On site:

To take part in the manufacture, installation or maintenance on site of all or part

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By transforming metal sheets or products in hollow or solid bars into volumes by cutting, shaping and assembling by welding.

**Quality et competences :**

Pupils who are destined for this BEP have a taste for making objects with the help of tools and machines. It is desirable that the student has a good knowledge of the usual flat geometric figures (mainly areas and perimeters), that he/she masters the basics of elementary arithmetic, orders of magnitude and units of measurement and that he/she knows how to use a calculator. The ability to understand a simple message in the form of written or oral instructions is necessary.

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