PRACTICAL CHEMISTRY.

Inorganic and organic chemistry.
Quantitative and qualitative analysis.
Chemistry of fuel and light.
Chemistry of building materials.
Chemistry of sugar, liquors, fecula, victuals, textile and dyeing matters.

SPECIAL INDUSTRIES.

METALLURGY
Blast-furnaces.
Fuel, special metallurgy.

PRACTICAL MECHANICS AND PHYSICS.

Mechanism of solids. Friction. Specific gravity.
Hydraulics.
Machines.
Air, steam, electric and hydraulic powers.
Construction and the setting of machines.
Plans and specifications.
Special machines.
CONSTRUCTION :
Stability, Architecture.
Plans and specifications.
MINES :
The sinking of wells and galleries. Ventilation. Preparation of the ores. The working of mines, drainage, &c.

DRAWING.

Linear drawing and coloring. Architectural, topographical and mechanical drawing.
Projections. Scales. Plans. Sections. Shades and penumbra. Structures. Linear perspective.
Cutting of stone and wood.
Ornamental drawing; heads; landscape.

FACTORY WORK.

The working of metals. Forges. Vices. Foundries. Moulding. Manner of working wood.

LITERATURE.

French and English literature.
Philosophy.
Political economy.
History.

RELIGIOUS INSTRUCTION.