

Curriculum for Bricklaying VG3/ in-service training at a training establishment

Dette er en oversettelse av den fastsatte læreplanteksten. Læreplanen er fastsatt på Bokmål

Laid down as a regulation by the Norwegian Directorate for Education and Training on 21 February 2008 as delegated in a letter of 26 September 2005 from the Ministry of Education and Research pursuant to the Act of 17 July 1998 no. 61 relating to primary and secondary education (Education Act) Section 3-4 first paragraph.

Valid from 01.08.2008

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Utdannings-

Purpose

Bricklaying shall contribute to building masonry constructions and rehabilitating old masonry and brickwork. The subject shall help protect buildings from weather and wind, and contribute to a good indoor climate.

Learning in the subject shall contribute to competence in masonry work on façades, fireplace, chimneys and when laying tiles. Furthermore, learning in the subject shall develop competence in bricklaying, block wall masonry, plastering, laying tiles, wetroom work, slating and natural stonework, as well as caring for aesthetical and cultural values.

Learning in the subject shall also contribute to promoting creativity, good working habits and the ability to communicate with customers, colleagues and other collaborators. Furthermore, learning in the subject shall instruct in the subject's wide range of traditional crafts. Learning in the subject shall uphold requirements for environment, health and safety.

Training completed and passed in the subject will lead to an examination for a Journeyman's Certificate in the trade. The professional title is Bricklayer.

Structure

Bricklaying consists of two main subject areas. The main subject areas complement each other, and should be viewed in relation to one another.

Overview of the main subject areas:

Year level	Main subject areas
Vg3 / In-service training at a training establishment	Production Trade studies

Main subject areas

Production

The main subject area is concerned with bricklaying, building block walls, plastering and surface work, tiling and working with natural stones. Wetroom work and different kinds of rehabilitation are central themes in the subject. It also covers drawings, work descriptions and the use of measuring tools. Planning, doing and assessing one's own work are also included. The use of pre-accepted solutions, quality assurance systems and ethical requirements for the trade are also included. Environment, health and safety are central themes of this subject.

Trade studies

The main subject area is concerned with the use of materials and their areas of application. Descriptions and drawings as a basis for documenting production are also included. The main subject area also covers aesthetics and cultural values and the subject's historic development and place in society.

Basic skills

Basic skills are integrated into the competence aims for this course in areas where they contribute to the development of and are a part of the basic subject competence. In Bricklaying, basic skills are understood as follows:

Being able to express oneself orally and in writing in Bricklaying involves communicating with different collaborators. It also involves being able to document working processes until the final product is delivered. It also involves being able to discuss and evaluate professional solutions and working processes.

Being able to read in Bricklaying involves locating relevant technical literature, regulations and standards. It also involves understanding the content and use of specifications, assembly instructions, drawings, product descriptions and job descriptions.

Numeracy in Bricklaying involves calculating surface area, volumes and quantities. It also involves different ways of calculating masses in addition to using measuring scale, taking measurements and calculating angles and heights related to construction.

Digital literacy in Bricklaying involves using digital tools for planning, production, documenting, quality assurance and communication. It also involves the use of such tools for measuring, calculating, image processing and drawings.

Competence aims

After Vg3

Production

The aims of the training are to enable the apprentice to

- plan, perform, document and evaluate work
- perform bricklaying using different bonds (brickwork patterns) and covers
- select suitable materials for different types of work
- create walls using different kinds of block products
- insulate, drain and anchor masonry work
- perform tile-laying of walls and floors
- perform work in sanitary rooms and apply fluid membranes
- perform slating and natural stonework using different kinds of fastening devices and substances
- plaster and surface treat different substrate
- wall up and erect chimneys and fireplaces
- rehabilitate different kinds of brickwork
- set out heights and angles with help from relevant measuring tools
- select, use and maintain machines and equipment
- receive and store materials and equipment with a view to economy and environment
- use suitable protective equipment
- mount, dismantle and modify scaffolding
- use a quality assurance system and pre-accepted solutions for documentation of work
- work according to drawings and descriptions
- comply with current legislation for environment, health and safety
- perform work in line with ergonomic principles
- perform source separation and handle waste based on current rules and regulations
- follow requirements for the trade work ethics

- use digital tools for geometric calculations, drawing and documentation

Trade studies

The aims of the training are to enable the apprentice to

- give an account of the subject's historic development, cultural values and place in society
- give an account of content in relevant national and international legislation applicable to client rights and obligations, including rules about the right of appeal
- act professionally when dealing with clients and customers
- discuss and elaborate on the significance of interaction at the workplace
- give an account of the different kinds of materials and their areas of application
- draw sketches and make simple constructional drawings
- uphold aesthetics requirements
- give an account of current regulations for handling waste

Assessment

Vg3 Bricklaying

Provisions for final assessment:

Main subject areas	Provision
Production	All apprentices shall sit for a Journeyman's Examination, which is normally carried out over a period of five working days.
Trade studies	

The provisions for assessment are stipulated in the regulations of the Norwegian Education Act.