

## Programme area for Surface treatment work curriculum for common programme subject VG2

Dette er ei omsetjing av den fastsette læreplankosten. Læreplanen er fastsett på Nynorsk

Laid down as a regulation by the Norwegian Directorate for Education and Training on 9 January 2007 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 01.08.2007

Valid to 31.07.2018



Utdannings-

## Purpose

The common programme subject *Surface treatment work* shall contribute to developing competence in protection, colouration, cleaning, care and maintenance to surfaces in buildings, installations and transportation. *Surface treatment work* sees to the management of great economic and social values. Materials and working processes and methods are in continual development, and there are constantly coming new and more environmentally friendly products. In this manner, the programme subjects can contribute to creating good working and living conditions, care for environment, health and safety regulations (EHS), and promotes enjoyment and sustainable development.

*Surface treatment work* shall contribute to the development of professional knowledge, skills and actions that allow individuals to be active in community life and work. Furthermore, learning in the subjects shall develop the ability to master challenging work tasks and handle new materials, technical tools and environmental products. Learning in the subjects shall also develop flexibility, creativity and critical thought towards laying the foundation for further development of own professional expertise.

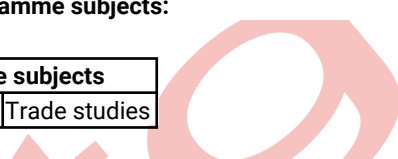
Learning in the subjects shall emphasize interdisciplinary cooperation and practical work. Use of different learning arenas and cooperation with local businesses can promote the development of working processes.

## Structure

The programme area *Surface treatment work* consists of two programme subjects. The programme subjects complement each other and should be viewed in relation to one another.

Overview of the programme subjects:

Year level	Programme subjects	
Vg2	Production	Trade studies



## Description of the programme subjects

### Production

The programme subject deals with different kinds of surface treatments for buildings, installations and transportation. The subject includes painting work, colouration, wallpapering, laying floors, corrosion protection, cleaning and maintenance of treated and untreated interior and exterior surfaces. The choice and use of materials and tools is also a part of the subject. The programme subject includes current rules and regulations for doing such work. Environment, health and safety (EHS) and quality control (QA) are also central themes in this subject.

### Trade studies

The programme subject includes the use of descriptions, drawings and measuring tools as a basis for calculation, completion and documentation of work. The programme subject deals with work routines, customer service and work ethics. The subject also deals with employer and employee rights and obligations.

## Teaching hours

Teaching hours are given in 60-minute units.

Vg2

Production 337 teaching hours per year

Trade studies 140 teaching hours per year

## Basic skills

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

*Being able to express oneself orally and in writing* in Surface treatment work involves communicating with different collaborators, and discussing and evaluating professional solutions and working processes. It also involves documenting working processes, products and services.

*Being able to read* in Surface treatment work involves finding relevant information in technical literature and in current laws and regulations. This also means understanding and using specifications, product data sheets and work descriptions.

*Numeracy* in Surface treatment work involves calculating weight, volume, amounts and surfaces, time and costs.

*Digital literacy* in Surface treatment work involves using tools for planning, producing, documenting, quality control and communicating. It also involves using digital tools for measuring, calculating, drawing and handling images.

## Competence aims

### Production

*The aims of the studies are to enable pupils to*

- give an account of and perform work according to laws, regulations and standards
- plan, perform, document and evaluate own work
- control and evaluate surfaces and find visible errors or deficiencies
- report deviations and do improvements to problems or deficiencies
- evaluate the need for and perform surface treatment on organic, mineral and metallic surfaces
- evaluate the need for and perform regular and periodic maintenance based on material properties, conditions and areas of use for surfaces

- select, handle and care for materials
- select, use and maintain tools, machines and equipment
- use colour systems together with colouration of surfaces
- do calculations for treating surfaces
- work in an economic and rational manner
- perform work in accordance with requirements to EHS
- use protection and safety equipment

## Trade studies

*The aims of the studies are to enable pupils to*

- read and use relevant drawing and descriptions
- use digital tools to gather information, communicate and control the quality of their own work
- discuss ethical rules and norms for the trade, and consider principles for good customer service
- use ladders, working platforms and scaffolding
- handle chemicals, waste and materials in accordance with regulations for EHS and resource use
- give an account of systems of agreements that regulate the relationship between employer and employee

## Assessment

### Vg2 Surface treatment work

Provisions for final assessment:

#### **Overall achievement marks**

Programme subjects	Provisions
Production Trade studies	The pupils shall have an overall achievement mark in each programme subject.

#### **Examination for pupils**

Programme subjects	Provisions
Production Trade studies	Pupils shall also sit for an interdisciplinary oral-practical examination that covers the common programme subjects. The examination is prepared and marked locally.

**Examination for external candidates**

Programme subjects	Provisions
Production	The external candidate shall sit for a written examination in each programme subject.
Trade studies	External candidates shall also sit for an interdisciplinary practical examination that covers the common programme subjects.
	The examination is prepared and marked locally.

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