

WP2: Qualification matrix

EQF4-L | Landscaping

Descriptors on level 4:

K: Factual and theoretical knowledge in broad contexts within a field of work or study

S: A range of cognitive and practical skills required to generate solutions to specific problems in a field of work or study

R/A: Exercise self-management within the guidelines of work or study contexts that are usually predictable, but are subject to change; supervise the routine work of others, taking some responsibility for the evaluation and improvement of work or study activities

Unit	Unit title	
0	Key competences and basic skills	R
0.A	Adaptability <i>is about intrapreneurship, innovation, communication, analysing, critical thinking, cooperation etc.</i> - is eager to investigate, learn, explore and innovate - thinks and analyses critically and solves issues - knows the value other ideas, concerns and motives	EQF4-G EQF4-F
0.C	Creativity <i>is about problem solving, idea development, innovation etc.</i> - has an open and curious mind in order to develop new ideas - puts new ideas into action to solve issues/problems or develop new services/products	EQF4-G EQF4-F
0.S	Sustainability <i>is about waste, water, energy, economy, people etc.- related to key competences and basic skills</i> - knows the basics of ecological processes in natural systems - plans and carries out work tasks in an environmentally sustainable way - adjusts working processes within a set of guidelines, in order to maintain sustainability in a changing environment - assesses the environmental impact of a work process	EQF4-G EQF4-F
0.T	Technology <i>is about basic digital tools (ICT, mobile phone, photo)</i>	EQF4-G EQF4-F

European Green Mastery (Erasmus+ KA2 Sector Skills Alliance - 601226-EPP-1-2018-1-NO-EPPKA2-SSA)

This project has been funded with support from the European Commission. This publication [communication] reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

	<ul style="list-style-type: none"> - carries out work tasks using digital tools - knows relevant equipment and machinery - knows basic legislation concerning reproduction of digital resources for private and commercial purpose - understands the risks of web-based communication i.e. virus, malware - evaluates web pages for relevance and reliability of content - participates in evaluating the use of technology in a work task 				
1	Sector core competence	Knowledge	Skills	Responsibility and autonomy	R
1.1	Production (sector related) <i>is about workplace, tools, working procedures, botany (plant classification, botanical names, growing conditions)</i>	<ul style="list-style-type: none"> - knows about workplace organization and effective work processes - knows a range of relevant tools, materials and techniques - has broad botanical knowledge - knows the plant classification, botanical names and the best growing conditions - knows quality characteristics of a broad range of flowers and plants 	<ul style="list-style-type: none"> - designs the workplace according to ergonomic and effective aspects - plans and explains procedures - recognizes plants and their parts - recognises different soils and applies fertilizer accordingly - explains plant diseases and pests and their causes - chooses the most efficient method for their own work and for the team before work begins - adjusts this method if it gives better results 	<ul style="list-style-type: none"> - self-manages - reacts to new requirements and deduces procedures from them - supervises others' routine work - is responsible for parts for the production - determines care requirements from the external appearance of a plant - takes some responsibility for selecting the appropriate crop protection agent and 	EQF4-G

				successfully changes the growing conditions	
1.2	Product development (sector related) <i>is about: supply, partners/network, marketing, develop products (mapping needs, plan, work in a creative process, creative tools...)</i>	<ul style="list-style-type: none"> - knows several sources of supply and partners in the sector and related sectors - knows about core product development related to the green sector 	<ul style="list-style-type: none"> - works with different partners, building networks and building sales markets - develops products - finds specific solutions to a customer's needs - uses different methods and creative tools - considers opportunities for establishing new business in accordance with current regulations, and ethical and ecological principles 	<ul style="list-style-type: none"> - observes the market, draws conclusions and reacts to current trends, under instruction - manages themselves in a product development process - takes some responsibility in supervising others in routine development work 	EQF4-G
1.3	Communication and company (sector related) <i>is about start-up/entrepreneurship, marketing, law and regulations, communicate with customers verbal and visual, sales and services</i>	<ul style="list-style-type: none"> - knows about company forms, start-ups, requirements and regulations for companies - knows marketing opportunities and marketing measures 	<ul style="list-style-type: none"> - handles sales situations with an emphasis on professional customer care - observes legal and tax requirements when establishing and running a company 	<ul style="list-style-type: none"> - manages themselves and others with some responsibility - implements new guidelines - manages routine work where other employees are involved, under instruction 	EQF4-G

		<ul style="list-style-type: none"> - knows the common legal guidelines connected to green sector - knows business models, relevant laws and authorities - knows the applicable insurance companies - knows how to work in a working environment, together with other employees and trainees - knows duties and rights of employees and employers 	<ul style="list-style-type: none"> - observes what is changing inside and outside the company and adjusts procedures / activities / methods with a view to the future - prepares simple budgets for operation and investments - uses digital tools to compile a simple economical overview for production - prepares an employment contract in accordance with current legislation 	<ul style="list-style-type: none"> - communicates with customers in a sales and service context, within a limited area of responsibility 	
1.4	Health and Safety (sector related) <i>is about health precautions, safe working methods, cleanliness/hygiene, equipment, pesticides, botany, working environment</i>	<ul style="list-style-type: none"> - knows health and safety regulations that are relevant for work processes in the sector - knows the requirements for health and safety clothing in the sector 	<ul style="list-style-type: none"> undertakes work tasks and activities in accordance with health and safety regulations - uses the right work technique and appropriate protective measures - derives changes from findings and controls 	<ul style="list-style-type: none"> - chooses equipment and protective clothing suitable for weather and climate conditions and the task at hand - takes responsibility for the health and safety situation for a limited part of the work process or routine work 	EQF4-G EQF4-F

			<ul style="list-style-type: none"> - carries out work operations in an ergonomically correct way 	<ul style="list-style-type: none"> - keeps up to date and adapts to new health and safety legislation and regulations - instructs and manages employees and trainees within basic tasks and clear guidelines 	
1.S	<p>Sustainability (sector related) <i>is about sustainable use of resources, ecological footprint, fair trade, protection of the environment and species, UNs Sustainable Development Goals Knowledge of your green supply chain Cradle to cradle, circular-economic</i></p>	<ul style="list-style-type: none"> - knows the ecological footprint of natural activity and production - knows the dangers of pollution and excessive interference with nature 	<ul style="list-style-type: none"> - describes and evaluates sustainable development and resource management, connected to limited assignments - develops nature-based activities and products within a sustainability framework - evaluates ways of re-using and multi-using products, and recycling waste 	<ul style="list-style-type: none"> - manages the use of natural resources in routine work or projects of a limited size, based on ecological understanding and ethical norms 	<p>EQF4-G EQF4-F</p>
1.T	<p>Technology (sector related) <i>is about digital tools (for payment, communication, in the production)</i> <i>- technological tools (VR..)</i></p>	<ul style="list-style-type: none"> - knows several machines, tools, devices and instruments used in this sector 	<ul style="list-style-type: none"> - chooses the right digital tools, devices and instruments in a work process - performs routine maintenance on tools and instruments under instruction 	<ul style="list-style-type: none"> - takes responsibility for the use and maintenance of buildings and equipment - undertakes tasks in communication, calculation 	<p>EQF4-G EQF4-F</p>

		<ul style="list-style-type: none"> - knows about digital communication and technical components - knows about online trading 	<ul style="list-style-type: none"> - undertakes simple maintenance work on interiors, buildings and / or installations - uses digital tools for communication, calculation and information gathering - uses digital tools for communicating with authorities, stakeholders and costumers 	and collection of information with digital tools independently	
2	Occupational core competence	Knowledge	Skills	Responsibility and autonomy	R
2.1	Landscaping production <i>is about materials, remedies, tools, machines, techniques</i>	<ul style="list-style-type: none"> - knows about natural stones, concrete and other materials used in landscaping - knows relevant concepts in operation and maintenance in landscaping - knows the properties and growth requirements of a range of plant genera, species and varieties 	<ul style="list-style-type: none"> - performs foundation work and construction work with fixed and loose covers - carries out work involving plant materials and growth media based on the plant's requirement and the properties of the growth substrate - processes and uses natural stone, concrete and other materials in the construction of new installations 	<ul style="list-style-type: none"> - plans, carries out, documents and evaluates work processes in accordance with established plans in landscaping - makes informed choices of materials, equipment and working methods 	

			<ul style="list-style-type: none"> - maintains vegetation based on the properties and requirements of the plantation - maintains technical elements in landscaping (“grey landscaping”) - considers accessibility for different user groups in designing new facilities - operates and maintains several types of green and grey installations 		
2.2	Landscaping product development <i>is about</i> <ul style="list-style-type: none"> - develop products and concepts, work in a creative process in landscaping, visualize/draw, use creative tools, tools and techniques in landscaping, presentation, make model/prototype, calculate (often included in production) 	<ul style="list-style-type: none"> - knows opportunities to increase the value of a landscaping product through further processing 	<ul style="list-style-type: none"> - uses subject terminology collaborates and communicates with other professional groups, users and clients to develop a landscaping product - proposes new landscaping products based on local natural resources 	<ul style="list-style-type: none"> - participates in developing a landscaping product - assesses business opportunities based on natural resources - assesses and develops business opportunities for managed land 	
2.3	Communication and company <i>is about laws and regulations, guidelines, entrepreneurship</i> <ul style="list-style-type: none"> - sales - economics and management - marketing (web, social medias) 	<ul style="list-style-type: none"> - knows current legislations, standard and agreements and quality requirements - knows the needs of the organization and demands of employees in the landscaping company and in the gardening sector 	<ul style="list-style-type: none"> - works according to legislation and agreements that regulate working conditions - accounts for employer's and employee's duties and rights in the landscaping occupation 	<ul style="list-style-type: none"> - assesses whether a work process is performed within the frames of current regulations and standards of the landscaping occupation - plans and performs work with a view to sound finances and resource utilization 	

			<ul style="list-style-type: none"> - Serves and advises customers - Promotes own services and products in the web and social media 		
2.4	Health and Safety <i>is about safe use of tools and remedies, how the landscaper works, deals with pesticides</i>	<ul style="list-style-type: none"> - knows legislations regulating use of pesticides in public spaces and living areas 	<ul style="list-style-type: none"> - works according to legislation that regulates use of pesticides and handling of pesticide treated plant material 	<ul style="list-style-type: none"> - assesses risks in landscaping and carries out work in accordance with current health, environmental and safety legislation 	
2.S	Sustainability <i>is about waste prevention, reduce wastage, sustainable methods (re-use, recycle) and techniques, environmentally friendly materials and techniques, managing stock, using local products, harvest materials, taking care of materials</i>	<ul style="list-style-type: none"> - knows how materials and maintenance methods influence living conditions for flora, fauna, and environment within landscaped environments 	<ul style="list-style-type: none"> - plans and carries out work processes with effective use of resources 	<ul style="list-style-type: none"> - makes environmentally friendly choices of materials and methods in landscaping - minimizes maintenance requirements and resources by choosing appropriate materials and techniques 	
2.T	Technology <i>is about digital tools and technology in communication, sales and so on</i>	<ul style="list-style-type: none"> - knows machinery, equipment and working methods used in landscaping 	<ul style="list-style-type: none"> - uses machines, tools, and equipment relevant for landscaping, and can perform daily maintenance of these - communicates, obtains and exchanges information using digital tools. - uses digital tools and instruments for calculation 	<ul style="list-style-type: none"> - carries out work tasks involving relevant digital tools in landscaping autonomously - adapts usage and maintenance of vehicles and equipment to current legislation and standards - develops their expertise in using technological tools 	

			relevant for the landscaping business	- participates in the evaluation of the use of technology in a work task in landscaping	
--	--	--	---------------------------------------	---	--