

NBS EduWORLD - Project Education Learning Unit Template - DRAFT

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Learning Unit (LU) Planning Template - High Level Overview

			<u> </u>	<i>,</i>			
Name of Lear	ning Unit (LU)						
Topic		Market Strateg	y for Nature-base	d Enterprise (PART II: S	SECTOR-LEVEL ANALYSIS)		
NBS Context (e.g. urban rural, coastal)	NBS keywords complete checklist at the end of the document	Other Keywords (topics other than NBS) add in Other below	Linked or complementary concepts to NBS (to assist curriculum integration)	Prior learner knowledge of NBS (high, moderate, low/none)	Prior instructor knowledge/ skills/ competences of NBS or equivalent	Key EU NBS resources used (for instructor preparation) include link	Type of LU - lecture, workshop, field trip/site visit
any	NbE		Professional development	low	Low		Lecture
Target academic subject /	Target learners/ groups [age range of	Min/ Max # of learners	Sector (e,g, professional, higher		EQF (European Qualifications Framework) level (or Irish NFQ) indicative only	Time for LU (aim is 50 minutes per learning unit	Course delivery format (e.g. in-
Business Sustainability	Professional	n/a	Professional	None	EQF 6 - Irish NFQ 7/8 Ordinary/H	50 minutes	Online
Purpose	To learn about d	lifferent strategi	c management to	ols for Nature-based Er	terprises, analyse and apply these	in practice.	
LU Summary (2-3 sentences)	established strat	Strategy is core to business planning and market development. In part 2 of this lesson, the nature based enterprise is guided through a well-established strategic management tool (Porter's Five Forces). This tool is adapted to the NbE form of business to enable the learner to understand the competitive forces and power dynamics at play across their sector. Participants will reflect and analyse on their sectors to evaluate the impact of these forces on their enterprise and to arrive at their own actions to offset sector-level threats.					
Learning Outcome 1	Gain insight into	Gain insight into the competitive forces and sector-level factors shaping nature-based enterprises.					
Learning Outcome 2	Attain experienti	Attain experiential knowledge from peer-to-peer insights shared by practitioners across a range of sectors.					
Learning Outcome 3	Apply this knowl	edge to your ow	n business conte	xt using frameworks to	evaluate the potential impact of se	ctor-level factors on yo	our enterprise.

LU designer resources for writing learning outcomes (click Learning Outcomes - Using Taxonomies tab or pyramid here)

Activities and Elements of Learning

Aim that each learning unit include at least 4 activities for an interactive learning experience

Time (duration of activity) 00:10 (10 min)	Aims - linked to NBS concepts or topics) Understand the influence of sector-level forces on	Link to Learning Outcome 1	Learning Activity [PPT Slide # - if applicable] #3-7	Teacher action/ activity (Learner action/activity) Present context for LU , key concepts and examples relating to PESTEL analysis of	Confirmation of learner's learning (assessment of learning) Followed by activity confirming learner's learning	academic resources with	Offline resources and materials (e.g. post- its,)
00:20 (10 min)	Apply learning by identifying the barriers to entry for participants' sectors	3, 4	#8	Activity: Group or Paired activity applying concepts to	Interactive activity applying learning to participants own business or business idea and exploring barriers to entry for NbE sector		Break-out room function (online)
00:30 (10 minutes)	Understand the considerations for applying the Porter's Five	1,2	#9-20	Explanation of different elements using practical examples to illustrate	Examples followed by learning activity to confirm learning	See resources below.	
00:45 (15 minutes)		4	#21	Activity: Group or Paired activity applying concepts to learner's own context.	#20 Activity applying learning to concept of learners own business or business idea		Break-out room function
00:50 (5 minutes)	Reflect on lessons learned	3	#22-24	Presentation and invitation for further engagement with list of further reading	Reflections added in chat / oepn discussion		Chat function

NBS- Application of Curriculum, Trends and Skills

Curriculum
integration (he
it may connec
to curriculum)

	Project-based				
	learning: e.g.,				
	students work				
	in groups on a				
	research				
	project on				
	greenhouses		Problem-based		
	and the	Peer	Learning : e.g.,		
	greenhouse	learning: e.g.,	students are		
Teaching &	effect,	students work	introduced to a	Student- centred	
Learning	alternatives to	in groups,	problem and	learning: the learning	
Trends	waste	evaluate the	challenged to	scenarios are not	
employed	management or	work of their	find a solution	based on classical	
	investigate	peers, or	together based	instruction by the	
Highlight all	what are the	develop	on the	teacher, but they are	
that apply	views of their	assessment	information	expected to actively	
	peers on	questions to	provided to	engage students in	
(Source)	climate change.	assess peers.	them.	the lessons.	
	Creativity: e.g.,				
	of various	Information/			
	solutions for	Media		Critical thinking:	
	promoting a	literacy:		e.g., students learn	
21st Century	better lifestyle	students	Collaboration:	that a debate on	
Skills	in their	explore	e.g., students	deforestation or	
J. C.	communities or	· ·	work in groups	climate change does	
Highlight all	encourage		and engage in	not consist of two	
that apply	greener	similar	task division to	opposing camps only	Communication: e.g., students
	solutions to	solutions in	produce	but involves many	present their work to the whole
	their schools'	other	outputs.	stakeholders with	class and learn to put forth strong
(Source)*	issues.	communities.		different perspectives.	arguments based on facts.

^{*}Gras-Velázquez, À., Mulvik, I. B., Campodonio, A., Nada, C. & Pocze, B. (2020) Nature-Based Solutions in education - Validation report, European Commission, August 2020 [accessed on 25/03/2024 https://files.eun.org/NBS/NBS-pilot-validation-report-final.pdf] p.8.

GreenComp - European Sustainability Competency Framework Highlight all that apply (Source) 1- Embodying Sustainability Values and 2 - Embracing Complexity in Sustainability (see pp.13-14)	values; identify and explain how values vary among people and over time, while critically evaluating how they align with sustainability	support equity and justice for current and future generations	1.3 Promoting Nature: To acknowledge that humans are part of nature; and to respect the needs and rights of other species and of nature itself in order to restore and regenerate healthy and resilient ecosystems	from all sides; to consider time, space and context in order to understand how elements interact	2.2 Critical Thinking: To assess information and arguments, identify assumptions, challenge the status quo, and reflect on how personal, social and cultural backgrounds influence thinking and conclusions.	2.3 Problem Solving: To formulate current or potential challenges as a sustainability problem in terms of difficulty, people involved, time and geographical scope, in order to identify suitable approaches to anticipating and preventing problems, and to mitigating and adapting to already existing problems
GreenComp - European Sustainability Competency Framework Highlight all that apply (Source) 3- Envisioning sustainable futures and 4 - Acting for Sustainabilty (see pp.13-14)	3.1 Futures Literacy: To envision alternative sustainable futures by imagining and developing alternative scenarios and identifying the steps needed to achieve a preferred sustainable	the face of uncertainty, ambiguity and risk. generations and learn from previous generations for	3.3 Exploratory Thinking: To adopt a relational way of thinking by exploring and linking different disciplines, using creativity and	4.1 Political Agency: To navigate the political system, identify political responsibility and accountability for unsustainable behaviour, and demand effective policies for sustainability.	4.2 Collective Action: To act for change in collaboration with others.	4.3 Individual Initiative: To identify own potential for sustainability and to actively contribute to improving prospects for the community and the planet

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Author and	
organisation to	
credit when	
using the LU	

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NBS Keywords Checklist (tick here below)

X	Forest Preservation				
X	Forest Restoration				
A	Forest enhanced management for woodfuel harvest				
	Forest Production				
	Grassland Preservation				
	Grassland Restoration				
	Grassland grazing management				
Х	Coastal Preservation				
х	Coastal Restoration				
	Coastal maintenance of slope vegetation				
	Maintenance of coastal, floodplain and riverine vegetation				
Х	Agroforestry				
Х	Reduce tillage and carbon restoration practices				
	Agricultural intensificiation				
	Urban forests and green spaces				
х	Urban green roofs				
Х	Climate-change adaptation and mitigation				
Х	Sustainable cities/ sustainable communities				
Х	Re-naturing cities/ re-naturing communities				
	Urban regeneration				
х	Coastal resilience				
	Multi-functional watershed management				
	Enhancing the insurance value of ecosystems				
	Sustainability of the use of matter and energy				
Х	Sustainable development				
х	Innovating with nature				

or orany r	
Teacher Resources	Learner
(If 'Notes' are used	Resources
in the related	(e.g.
PowerPoint	academic
presentation	articles or
please indicate	links) for

Connecting Nature Enterprise Platform (2023). Invest European Commission: Directorate-General for Rese European Environment Agency (2024). Agricultural a Pangarkar, N., & Prabhudesai, R. (2024) Porter, M.E (1079). How Competitive Forces Shape & FAIRR report (2023). The Four Labours of Regenera

х	Biodiversity					
x	Nature-based enterprises					
х	Nature-based enterpreneurship					
	NBS and new business and inve	estment models				
x	Citizen participation, stakeholde	r/community consultation				
x	Disaster risk reduction					
x	Risk management and resilience	9				
x	NBS policy development and im	plementation				
x	NBS research					
х	Green infrastructure					
	Green finance / sustainable finance					
х	Ecosystem services and ecosystem-based approaches					
	Rural municipal/local authority/government planning					
	Coastal municipal/local authority/government planning					
	Urban municipal/local authority/g	government planning				
х	Improving well-being and quality	of life				
х	NBS and new business and investment models					
	NBS and CCAM (Connected, Cooperative and Automated Mobility)					
	Other 1: (Please specify)	Restorative Ecology				
	Other 2: (Please specify)					
	Other 3: (Please specify)					

Keywords Source 1: United Nations Environment Programme (2020). The Economics of Nature-based Solutions: Current Status and Future Priorities. United Nations Environment Programme Nairobi., p.5. (keywords above in italics)

Keywords Source 2: Faivre N, Fritz M, Freitas T, de Boissezon B, Vandewoestijne S. (2017)'Nature-Based Solutions in the EU: Innovating with nature to address social, economic and environmental challenges.' Environ Res. 2017 Nov;159:509-518. doi: 10.1016/j.envres.2017.08.032. Epub 2017 Sep 8. PMID: 28886502.

Keywords Source 3: European Commission (2015). Towards an EU Research and Innovation policy agenda for Nature-Based Solutions & Re-Naturing Cities: Final Report of the Horizon 2020 Expert Group on 'Nature-Based Solutions and Re-Naturing Cities' Full Version. Luxembourg: Publications Office.