



Entrepreneurial Spirit in VET and Adult Education

Curriculum





















Editorial information:

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This curriculum has been developed by the ERASMUS+ project partnership migobi, <u>www.migobi.eu</u>, coordinated by BFI OÖ. ISQ has been responsible for editing this curriculum with the support of all other partner organisations.

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1 - Introduction

MIGOBI Curriculum Entrepreneurial Spirit is an Intellectual Output of MIGOBI Erasmus+ Project, implemented between October 2014 and September 2016. The project is being conducted by a consortium of nine partners from eight European countries, all partners with technical expertise to achieve the project objectives and a wide experience of participating and management national and European projects:



- BFI Oberösterreich AT
- VOLKSHOCHSCHULE OBERÖSTERREICH AT
- CEPS PROJECTES SOCIALS ES
- EUROCULTURA IT
- Merseyside Expanding Horizons –UK
- ➤ ISO PT
- ARBETARNAS BILDNINGSFÖRBUND SE
- A.L.P.E.S. FR
- AKADEMIA HUMANISTYCZNO-EKONOMICZNA W LODZI PL

The overall aims of MIGOBI project are to:

- Address the challenge of enabling teachers and trainers in adult education and VET to implement entrepreneurial spirit as a transversal approach in various training settings; and
- Develop an open, flexible, interactive and engaging learning module on developing and experiencing entrepreneurial spirit in intercultural learning settings combining approaches used in adult education (open processes, learner centred) and approaches used in VET (outcome oriented, efficient). This module is designed to facilitate exchange between different learners on their values and attitudes concerning entrepreneurship and to encourage practical entrepreneurial experiences.





In the first period of the project a research analysis was made to obtain a clearer understanding of the skills required for developing an entrepreneurial spirit, and especially those with a migration background.

The results obtained in the research analysis (for detailed reading please consult MIGOBI O1 - Study on Entrepreneurial Spirit in intercultural settings in European VET and adult education), provided from 20 experts and desk research from 9 countries, allowed MIGOBI partners to establish the referential framework for the identification of the key competencies required for the development of an entrepreneurial spirit, creating MIGOBI competence matrix, and, based on this, the Learning Units for MIGOBI Entrepreneurial Curriculum.



2 - Competency Matrix

MIGOBI Competency Matrix has been developed based on the results achieved in MIGOBI O1 - Study on Entrepreneurial Spirit in intercultural settings in European VET and adult education. It reflects its main conclusions and recommendations for the development of an Entrepreneurial Spirit Curriculum.

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Based on the complexity, range and the level of learning expected from trainees, MIGOBI Competence Matrix developed under MIGOBI project was designed for the European Qualification Framework (EQF) Level 4, allowing thus, depending on each country needs, the further development into a higher qualification level:

EQF Level	Knowledge	Skills	Competencies
4	factual and theoretical knowledge in broad contexts within a field of work or study	a range of cognitive and practical skills required to generate solutions to specific problems in a field of work or study	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

Source: http://ec.europa.eu/ploteus/en/content/descriptors-page

By the settlement of the EQF level 4 for MIGOBI competence matrix, partners can establish the correspondence between the European Qualification levels and their National Qualification Frameworks (NQF):

EQF Levels	AT NQF	ES NQF	IT NQF	UK NQF	PT NQF	SE NQF	FR NQF	PL NQF
4	4	2	4	3	4		4	4





Although in some countries the NQF is not yet formally implemented (Austria, Italy), and in others different National Qualifications can be linked to the same EQF (United Kingdom, Spain), by making the correspondence between the NQF and the EQF, the achieved outcomes become more readable across Europe, allowing learners' mobility inside or between countries and facilitating their lifelong learning process, and contributing for a better recognition of training outcomes.

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MIGOBI Competence Matrix is organized in a 3 Dimension Structure, covering the Personal, Social and Professional levels, covering the most critical competencies required for the development of entrepreneurial spirit:

Self-Management
Innovation
Teamwork
Leadership
Proactivity
Planning
Adaptability
Risk taking
Creativity
Problem solving
Results Orientation
Resilience



Human-Awareness Accurate Listening Communication Relating to Others Unbiased

Self-Awareness
Persistence
Critical Thinking
Intuitive Decision Making
Initiative
Self Confidence
Coping with failure





Below is presented a detailed description of each competency:

	MIGOBI COMPETENCY MATRIX				
Core Competencies	Description ¹				
Personal Level					
Self-Awareness	be aware of self traits, feelings and behaviour				
Persistence	remain motivated to accomplish goals in the face of adversity or obstacles				
Critical Thinking	actively and skilfully conceptualizing, applying, analysing, synthesizing, and/or evaluating information gathered from, or generated by, observation, experience, reflection, reasoning, or communication, as a guide to belief and action				
Intuitive Decision Making	accurately compile intuitive perceptions about a situation into a decision or action; be 'intuitional' as opposed to intellectual in decision making, and to be effective in doing it.				
Initiative	direct self-energies toward the completion of a goal, without an external catalyst; initiate actions based on own interpretation or understanding of a situation.				
Self Confidence	develop and maintain inner strength based on desire to succeed;				
Coping with failure	overcome a failure or a problem				
Social Level					
Human-Awareness	be conscious of the feelings and opinions of others;				

¹ Adapted from The Nielson Group List of Soft Skill Competencies with Descriptions; Cambridge dictionary online; Business dictionary online; Harvard University Competency Dictionary; Michael Scriven & Richard Paul, 8th Annual International Conference on Critical Thinking and Education Reform, 1987.

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	MIGOBI COMPETENCY MATRIX				
Core Competencies	Description ¹				
	maintaining a positive, open, and objective attitude toward others				
Accurate Listening	openness to others and a willingness to hear what they are saying and not what one thinks they should say, or are going to say				
Communication use a broad range of communication styles choose appropriate, effective ways to communicate with other and/or to audiences in diverse situations					
coordinate personal insights and knowledge of others into effective actions; Relating to Others make use of accurate interpersonal skills in interacting with others develop positive attitude towards other cultures					
Unbiased	not allow unfair implications of prejudged information to enter into and effect an interpersonal relationship; open-mindedness towards other cultures, developing cultural relativism;				
Professional Level					
Self-Management	prioritize and complete tasks in order to deliver desired outcomes within allotted time frames				
Innovation	applies original thinking in approach to job responsibilities and to improve processes, methods, systems, or services				
Teamwork	work cooperatively and collaboratively with others to achieve collective goals; work and cooperate in an intercultural team				
Leadership	organize and motivate others to get things accomplished in a way that everyone feels a sense of order and direction				
Proactivity	identification and exploitation of opportunities and in taking peremptory action against potential problems and threats				

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	MIGOBI COMPETENCY MATRIX				
Core Competencies	Description ¹				
Planning	establishing courses of action for self and others to ensure that work is completed efficiently				
Adaptability	maintaining effectiveness when experiencing major changes in work tasks or the work environment;				
Adaptability	adjusting effectively to work within new work structures, processes, requirements, or cultures				
Risk taking	initiating action that tries to achieve a recognized benefit or advantage when potential negative consequences are				
Nisk taking	understood				
Creativity	adapt traditional methods, concepts, models, designs, technologies, or systems to new applications;				
Cleauvity	devise new approaches to make improvements				
Problem colving	identify alternative solutions to a problem and to select the best option;				
Problem solving	identify the cause of an error, as well as the options available for resolving it and completing the task.				
Results Orientation	identify actions necessary to achieve task completion and to obtain results;				
Results Offeritation	meet schedules, deadlines and performance goals				
	dealing with pressure;				
Resilience	remaining optimistic and persistent, even under adversity;				
	recovering quickly from setbacks				

This Competency matrix, mapping the key skills required for the development of an entrepreneurial spirit, settles the ground for the development of MIGOBI Entrepreneurial Curriculum, structured in Learning Units organized in learning outcomes in terms of Knowledge, Skills and Competencies, oriented for the development of these core competencies.





3 - Entrepreneurial Spirit Curriculum

MIGOBI Entrepreneurial Spirit Curriculum establishes the minimum required outcomes that the learners are expected to have achieved and can be able to evidence on the completion/assessment of training, and the definition of the learning outcomes was prepared using as reference the EQF Level 4 descriptors organized in knowledge, skills and competences.

The main aim of MIGOBI Entrepreneurial Spirit Curriculum is to promote in VET and adult learners key skills that will allow them to be able to pursuit if they wish, self-employment routes and take part in practical entrepreneurial spirit experiences, by exploring different problem solving/challenges options and managing risk taking and failure as positive learning experiences, throughout 3 Learning Units:

UNIT 1: SELF AWARENESS

UNIT 2: RELATING WITH OTHERS

UNIT 3: CREATIVE AND CRITICAL THINKING

Each Learning Unit has allocated a specific duration in terms of workload (including contact and self-learning hours).

According to each VET and adult education provider's specific needs and possibility of enhancing the entrepreneurial spirit in their learners, MIGOBI Entrepreneurial Spirit Curriculum can be implemented as a complete set with 3 Learning Units, thus ensuring the development of entrepreneurial spirit in all its 3 dimensions (Personal, Social and Professional), or, in alternative, as individual Learning Units focused on the development of specific key skills.

It is also able to be implemented in existing courses or learning settings depending on the needs and resources of learners and education providers.

Below is presented in detail each Learning Unit, containing a summary description and its specific learning outcomes in terms of knowledge, skills and competencies.



UNIT 1: SELF AWARENESS

SUMMARY DESCRIPTION: S/He is able to identify, explore and evaluate self traits, feelings and behaviour from an individual perspective, to establish realistic goals for personal and professional development.

	KNOWLEDGE	SKILLS	COMPETENCIES	EQF LEVEL	
LEARNING OUTCOMES	Describe own cultural backgrounds and cultural conditioning Identify own main personality traits that impact his/hers ability to succeed in training/work	Explore personal attributes through individual and group activities Compare own interests and abilities with skills required in a variety of Jobs Compile a personal profile matching the identification of own skills and interests with self-employment options Find personal attitudes that influence the positive outcome of goals	Discuss how failure can have both a positive and a negative consequence Overcome feelings of frustration and anger in training/workplace situations Evaluate own capabilities and personal effectiveness	4	WORKLOAD 30h

UNIT 2: RELATING WITH OTHERS

SUMMARY DESCRIPTION: S/He is able to establish empathic interpersonal relationships by developing strategies for building relationships in a multicultural working group.

	KNOWLEDGE	SKILLS	COMPETENCIES	EQF LEVEL	
	Identify the determining factors for				WORKLOAD
	the effectiveness in the	Apply assertive techniques			
	communication process	through verbal, vocal and visual	Evaluate how others		
		communication actions when	influence own' s		
		interacting with others	decisions and vice-verse		
	Recognize cultural specificities of				
	the main ethnic groups	Work cooperatively with	Constructively criticize the		
LEARNING OUTCOMES	represented in the society to which	colleagues, cooperation	key aspects of the		
	he/her belongs	partners / and / or potential	achieved results by a	4	20h
		customers from different	team/ group and		2011
		cultural backgrounds towards	vice versa		
		the achievement of results			
		Present own ideas, skills and			
		products effectively and			
		successfully to others			





UNIT 3: CREATIVE AND CRITICAL THINKING

SUMMARY DESCRIPTION: He/she is able to develop ideas and creatively select the appropriate course of action to produce a logical, practical and acceptable solution for a problem/situation.

	KNOWLEDGE	SKILLS	COMPETENCIES	EQF LEVEL	
		Gather information before			WORKLOAD
		making decisions selecting the	Adjust own performance		
		most relevant to solve a specific	to unforeseen situations,		
		situation	by taking risks and		
			consciencly making		
		Address problems in a	decisions in face of a		
		systematic way through the	challenge		
		resolution of practical cases			
LEARNING OUTCOMES			Learn from mistakes and		
	Distinguish between arguments	Implement flexible and creative	failures identifying	4	
	based on emotion and arguments	responses as techniques for	alternative pathways that	-	40 h
	based on facts providing specific	exploring different options for	could be used to solve a		
	examples	solving a problem/situation	problem/situation		
		Develop and implement	Implement autonomously		
		creative ideas to ensure the	self-motivation strategies		
		preparation / launching of	while solving a		
		entrepreneurial initiatives	problem/situation		





4 - Tips for implementing MIGOBI Entrepreneurial Curriculum

MIGOBI curriculum has been extensively tested during the lifetime of the project among partners. During the project implementing phase, different implementation approaches were piloted based on the combination of selection of the several methods developed to support the curriculum implementation (for the developed methods available for all Units please consult the Module Entrepreneurial Spirit in VET and adult education).

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Based on the implementation reports produced by MIGOBI partners, the following conclusions provide some feedback from partner's experiences after implementing the curriculum:

"Migobi is flexible, fun, engaging and informal for learners. Each exercise was well timed and clear learning outcomes were achieved. The curriculum is fun and engaging and so diverse. The methods are so varied so it kept the learners participating and active in their own learning."-

"Easily adaptable and easy to use to implement in all kinds of trainings, fosters entrepreneurial thinking. Trainees told us that it helped, we could see a lot of progress especially on dealing with risks, creativity and knowing their own strengths"

"There are a wide variety of methods that can be adapted to different groups with different needs. Everything from simple methodologies to those who require a little more thought and creativity."

"We have included the module in an existing training course, addressed to people who want to build their vocational project. The curriculum was a resource for building the progression, and it was easy to select in the Migobi module the activities that matched the best. Trainees have really appreciated the diversity of activities, and the fact that they were not traditional learning schemes (that means for them not bothering ones!)."

"Very important is the setback from failure, since all learners seems very scared of failure and some activities focused on this issue really help them to overcome this fear."





"MIGOBI curriculum and modules are structured in a way that the entrepreneurial spirit is intrinsically developed, through the mobilization of critical skills such as creativity, critical thinking, problem solving and relating with others."

"The learners became aware of some entrepreneurial qualities and traits, they also found out that being creative can bring a lot of fun and satisfaction. Some started thinking about possibilities of starting up their own business activity."

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VET and adult education providers willing to implement MIGOBI Entrepreneurial Spirit Curriculum are free to choose the pedagogical and evaluation methods considered as the most adequate to assist their learners in achieving the outcomes (e-learning, b-learning, classroom environment, at the workplace or self-study).

Nevertheless, MIGOBI partners consider that when implementing MIGOBI Entrepreneurial Curriculum, a Learning by Experience approach should be valorised, allowing trainers and tutors to establish a differentiated pedagogic relationship, dynamic and effective with multiple groups or individuals, in order to facilitate the development of knowledge, skills and competences, as well as the development of attitudes and behaviours appropriate to professional performance, taking into account the current and prospective requirements of the labour market.

The selection and use of different pedagogical methods and techniques in accordance with the objectives, target-groups and training contexts, including, among others, sessions with different methods (such as active learning, problem based learning, cooperative learning, gaming, etc.) and techniques (such as role-play, case studies, brainstorming, etc.).

To support MIGOBI Entrepreneurial Spirit Curriculum implementation some possible routes for implementation and sample exercises are presented below. A full compilation of methods and possible approaches is provided in MIGOBI Module Entrepreneurial Spirit in VET and adult education.





I. Possible routes for MIGOBI Training Implementation

MIGOBI Unit 1 Self-awareness

Target group: adult learners (22+) who know each other and the facilitator / trainer

Learning hours: 30

Setting: Blended Learning

Session	Link to learning outcomes	Activities	Setting	hours
1 (group)	Name personal likes and dislikes	Listen to an interview with an entrepreneur	Face-to-face	4
		discussing what he / she likes about his /		
	Explore personal attributes through individual	her work. Discuss in groups about likes and		
	and group activities	dislikes in relation to work		
	Describe own cultural backgrounds and cultural conditioning	Meet an actual entrepreneur who talks about his / her attitude towards his / her business. Discuss with him / her about his enterprise. As a trainer give out a list of attitudes. Group activity diversity wheel – reflect and share your own cultural background		





Session	Link to learning outcomes	Activities	Setting	hours
2 (Self)	Explore personal attributes through individual	Describe personal attitudes regarding work	e-learning	8
	and group activities	and entrepreneurship using the list provided		
	Describe own cultural backgrounds and	Research typical cultural situations on you		
	cultural conditioning	tube and share with others		
	Compare own interests and abilities with skills	Research skills profiles of entrepreneurs in		
	required in a variety of Jobs	the internet		
		Reflect on your skills using a competencies		
	Identify own main personality traits that	matrix		
	impact his/hers ability to succeed in	Prepare a presentation which of those skills		
	training/work	you possess and how this shows		
	Compile a personal profile matching the	Research vocations or jobs which match		
	identification of own skills and interests with	your skills and list them		
	self-employment options			
	l l l l l l l l l l l l l l l l l l l			
3 (group)		Present your presentation of skills to the	Face-to-face	4
	Identify own main personality traits that	others		
	impact his/hers ability to succeed in			
	training/work	As a trainer, set a task where the group is		
		bound to fail		
	Overcome feelings of frustration and anger in	Let someone take notes on what happens in		
	training/workplace situations	the group		
	, I	Discuss failure, overcoming frustration and		
		anger and own abilities to succed		



Session	Link to learning outcomes	Activities	Setting	hours
4 (Self)	Compile a personal profile matching the	Compile your personal profile	e-learning	8
	identification of own skills and interests with	Film little videos presenting yourself		
	self-employment options	Gather feedback from group		
	Discuss how failure can have both a positive and a negative consequence Find personal attitudes that influence the positive outcome of goals	Read and analyze 3 business cases of entrepreneurs "failing" and then succeeding. Describe Research personal attitudes that influence positive outcome of goals in good practice examples and compare with your own attitudes discussed in session 1		
5 (group)	Discuss how failure can have both a positive	Discuss the business cases analysed in	Face-to-face	6
	and a negative consequence	eLearning and reflect on own "failing" and		
		what came out of it		
		Discuss in groups		
	Evaluate own capabilities and personal			
	effectiveness	Every participant: Invent a product and		
		prepare a presentation for the group in 10		
		minutes		
		Present it and discuss capabilities and		
		effectiveness		
		Evaluation of training		



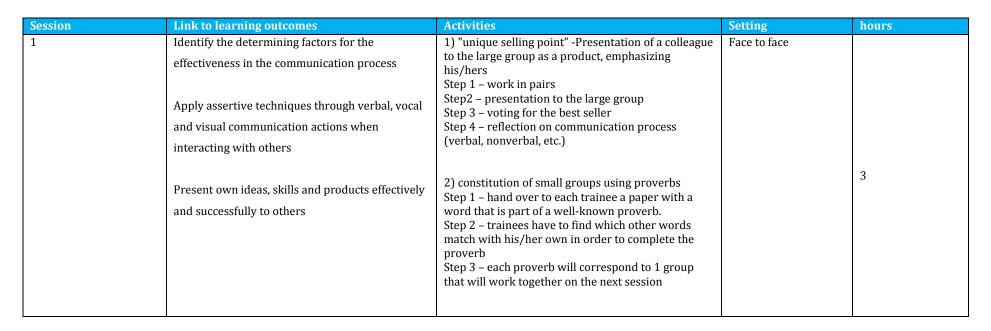


MIGOBI Unit 2 Relating with Others

Target group: VET youngsters who know each other and the facilitator / trainer

Learning hours: 20

Setting: Blended Learning







Session	Link to learning outcomes	Activities	Setting	hours
Session 2	Recognize cultural specificities of the main ethnic groups represented in the society to which he/her belongs Work cooperatively with colleagues, cooperation partners / and / or potential customers from different cultural backgrounds towards the	Activities Make a research on a specific ethnic group represented in the society Start preparing a presentation highlighting the main cultural characteristics of this group	e-learning	hours 6
3	achievement of results		Face to face	
	Work cooperatively with colleagues, cooperation partners / and / or potential customers from different cultural backgrounds towards the achievement of results Constructively criticize the key aspects of the achieved results by a team/ group and vice versa Evaluate how others influence own's decisions and vice-verse	Make a status of the progress of work, and give some guidance to complete the work		2
4	Work cooperatively with colleagues, cooperation	Select a typical song and prepare a suggestion of a complete dinner menu with dishes from the ethnic	e-learning	4

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Session	Link to learning outcomes	Activities	Setting	hours
	partners / and / or potential customers from	group		
	different cultural backgrounds towards the			
	achievement of results			
5	Recognize cultural specificities of the main ethnic	Groups presentation of the main cultural	Face to face	
	groups represented in the society to which	characteristics; song and dinner menu suggestion of a specific ethnic group, as if they were a tour		
	he/her belongs	operator		
	Apply assertive techniques through verbal, vocal			
	and visual communication actions when	Reflection on achieved results		
	interacting with others			
				r
	Present own ideas, skills and products effectively			5
	and successfully to others			
	Constructively criticize the key aspects of the			
	achieved results by a team/ group and			
	vice versa			



II. Sample Exercises for MIGOBI Entrepreneurial Curriculum Implementation

Phase of training	Content
Method title	Build a tower
Aims	Develop entrepreneurial spirit Develop leadership qualities Deal with success / failure Develop creativity
Description	Build two / three small groups of 3 – 4 people. In each group a leader is elected. The group sits around a table and the trainer blindfolds the other members of the group. Only the leader is allowed to see. The group-leader gets a written working instruction: "Your task is to build a tower as high as possible. You have 3 min." Building material (children's play bricks like Lego) is distributed on the table. The trainer is starting the countdown and watching the time. After three minutes the height of the tower is measured. The next group give's it a try with the same sequence. Questions to discuss after all groups finished the task: Did the groups solve the task well? Is there a winner? Who was the best leader? Who was the best working group? Did the leader work or the others? What is the best method? Did anybody have the idea to remove the blindfolds? (Explanation: there was no instruction for the leader or the other participants to keep them) How is leadership practiced in your culture? Discussion about leadership in different cultures & countries





links / material	small building blocks (Lego), cloth
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(24

Phase of training	Content			
Method title	Exercise on entrepreneurship			
Aims	 Exchange on the representations of the entrepreneur Change perspective (put themselves in the place of another) Confronting his representations to reality 			
Description	1st time: - Individually, each completes a sheet "Imagine you are your own boss. List what you think are the advantages and disadvantages of this situation." - In groups, each sets out what it said on its page, the trainer notes all ideas to the table, indicating those that occur most often - Once all the ideas noted, the group thinks, exchange and debate to determine which ones seem to him to be the fairest 2nd time: - An entrepreneur is invited to participate in a session with the group - He presents its career, and learners present him the result of the previous session - The entrepreneur responds by bringing his own vision of the situation - Debate and discussion 3rd time: - Summary: Learners resume their individual sheet, and they correct or complete.			





links / material	Paper, pen		
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Note: This sample exercises are also available in MIGOBI Module Entrepreneurial Spirit in VET and adult education.





5- Annexes

Comparative analysis of EQF & NQF

According to Partners desk-research about the current state of art in terms of implementation of the National Qualification Framework (NQF) and CEDEFOP's latest publication focused on the development of NQF among European Countries: *Cedefop National qualifications* framework developments in Europe – Anniversary edition (2015), we can state that currently, except in Italy, where the NQF has not yet be formally been settled, and UK, that had already a NQF implemented before the setting up of the EQF, in 2005, all partners countries formally adopted a NQF but they are still working on its operationalization, which is the case of Austria, Poland, Spain and Sweden,

Nevertheless, despite the formal implementation of each partner country NQF, it's possible at the time being to establish a comparative analysis by presenting each national current qualification level and it's comparison with EQF, thus establish a correspondence level among MIGOBI Entrepreneurial Spirit Curriculum EQF level and each Partner Country NQF level, as illustrated in the following table:

while in other MIGOBI partner countries they are already fully operational, such as France and Portugal.

EQF Levels	AT NQF	ES NQF	IT NQF	UK NQF	PT NQF	SE NQF	FR NQF	PL NQF
1	1	1	1		1	1		1
2	2	1	2	1	2	2		2
3	3	2	3	2	3	3	5	3
4	4	2	4	3	4	4	4	4
5	5	3	5	4 +5	5	5	3	5
6	6	4	6	6	6	6	2	6
7	7	5	7	6	7	7	1	7
8	8		8	6	8	8	1	8