NATIONAL REPORT ON FINANCIAL EDUCATION

Outcome of Work Package 3 – Needs and Gap Analysis

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ven

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1 Financial education in Belgium

On the 'Child & Youth Finance International Regional Meeting Europe and Central Asia' in November 2012 in Brussels Mr. Steven Vanackere, Belgian Vice Prime Minister and Minister of Finance, said these very important sentence: "If people don't understand finance by the time they reach the age of 18, chances are low they will still learn it later".

The most important outcome of this conference was a clear commitment that there is a general need in Europe and more particular in Belgium to improve financial education.¹

1.1 Status Quo

In order to obtain a picture of the financial literacy of the average Belgian Febelfin² (the Belgian Federation of the Financial Sector), organized in September 2009 a national survey of a representative sample of the population.³

They were given a series of sixteen specific questions with varying difficulty, ranging from questions about calculating the interest rate till how to arrange a family insurance.

Only 44.5 percent of young people between 18 and 24 succeeded for this test. In the other age groups consistently more than 50 percent had good results.

Febelfin therefore wants that financial education becomes a priority in secondary education. "The goals of secondary education should be adjusted", said President Stefaan Decraene of Febelfin. "We leave the initiative to the government, but if you ask me: children over 12 years should know what e.g. a current account is and from the age of 15 years they must know what a stock or a bond is."

The Flemish Minister of Education Pascal Smet (SP.A) accepted this conclusion in 2009. Financial literacy will start next school year in the new cross-curricular themes of education in Flanders. This means that all Flemish secondary schools from September 1 must ensure that their students will have a sufficiently broad financial knowledge. That was a wish of our Flemish Minister of Education. In this analysis you can check the results of this wish.

The test, which Febelfin annually wants to repeat, also shows that the average Belgian knows more about bank products than about insurances. Questions about general topics,

¹ http://europe.childfinanceinternational.org/

² https://www.febelfin.be/nl/publicaties

³ http://www.wijzermetgeld.be/bibliotheek.html

such as calculating the interest, give better results than product-related questions. The financial knowledge of the Belgian does increase with age, until the age of 64. Afterwards it decreases slightly.

Febelfin therefore argues not only for teaching materials in education. The banking federation also created an interactive website to help other vulnerable consumers. "But that happens in collaboration with the FSMA (Financial Services and Markets Authority (previously CBFA or Banking, Finance and Insurance Commission)".

The FSMA who received the legal mandate to contribute to financial education, was not surprised about the results of the test. "Financial education is a long process which we fully support" said FSMA president Jean-Paul Servais.

Flemish Minister of Education Pascal Smet (SP-A, socialist) also wants more financial aspects integrated in the study programmes. "Now it's not yet a separate topic, but it is present through cross-curricular themes."

"Since 2010 there is more attention paid to the interaction between society and economy", said Pascal Smet. The Minister will also take into account financial education in the reformation of secondary education. Now in Flanders the Minister wants to reform the structure of secondary education and he hopes that financial education also will become a hot item on the agenda.

The Minister wants to provide financial education in schools through video games. He underlined this for the members of the Committee on Education of the Flemish Parliament last year. A member of the Parliament wanted to know how the financial education of the pupils, students and citizens in general could be improved.

Minister of Finance Steven Vanackere (CD&V, Christian Democrats) pointed out last year that the financial literacy of consumers is an urgent need.

In Belgium, different actors, namely Febelfin, FSMA, the Minister of Finance, the Minister of Flemish Education, BVK (professional association for credits) a member of Febelfin, VCS ('Vlaams Centrum voor schuldenlast' or Flemish Center for Indebtedness), want to work together to improve financial literacy among the citizens and to develop financial education.

a) VCS published a book with the title 'In balans' (In balance) 4

The VCS is working on prevention for young people and wants to introduce this book in secondary education from 12 years in ASO, TSO and BSO (see below structure in Flemish education). The objective of 'In Balans' is to teach young people the skills and the way to deal with money. Young people get pocket money, they sometimes have an income from student jobs and often they manage their own account at the bank. One of the aims of this projects is to show young people how to spend their money in a good way because spending money for games, ring tunes, gambling, the latest mobile phone and expensive clothes is very attractive for young people. 'In Balans' wants to help young people to become independent.

b) The credit guide and balance calculator ⁵

The organisation <u>UPS-BVK</u> decided to write a credit guide using easily understandable words to inform consumers about their rights and duties as well as to provide basic, low entry information about the main characteristics of consumer credit products. Such a guide promotes the idea of informed consumers being able to make right financial decisions.

c) Ghent University created a 'Planning and budgeting game' 6

This game has been presented during a conference meeting for teachers in Leuven in May 2011. The teaching materials are made available via the following link: http://habe.hogent.be.

d) <u>Joetz</u> (= Organisation of young people of socialist mutuality)

Joetz organised the 6th conference in Leuven in November 2012 about the theme 'How to learn young people to deal with money and how important is financial education?'

The target group for this meeting were teachers from secondary education. ⁷

During the conference different speakers from institutions as Research and Information for the Consumer Organisation (CRIOC and VCS) have been programmed.

e) There are a lot of workshops to show practical examples of projects on financial education like e.g.: 'Workshop about improvisation', 'No Credit, game over' (EW 32-Serious games is a game with the theme 'debt') and the workshop 'Social skills in dealing with money' from OCMW (PCSW) and some schools in Zottegem (Flanders). Based on the philosophy to provide financial information as early as possible, OCMW developed some projects for children and young people how to handle their money on a more social way.

⁴ www.in-balans.be

⁵ http://www.upc-bvk.be/documents/public/kredietgids%202012.pdf

⁶ http://www.onderwijskunde.ugent.be/nl/cv_bourgonjon.htm

⁷ http://www.joetz.be/Gezondheid/Pages/ColloquiumJongerenlerenomgaanmetgeld.aspx

⁸ www.wijzermetgeld.be

⁹ http://www.joetz.be/Pages/WatIsJoetz.aspx

f) <u>The FSMA</u> is responsible for the integrity of the Financial markets and fair treatment of financial consumers. FSMA organized on 31 January of 2013 the first financial education conference in Belgium.¹⁰ Contributing to the financial education of consumers is one of the missions entrusted to the FSMA by the Belgian legislation. It's for that reason that the FSMA has developed a financial education website *www.wikifin.be*.

There is also a savings account simulator on the website, that provides savers online a personalized comparison of several accounts.¹¹ The goal of this website is helping citizens with their financial decisions and to equip consumers with information and simple tools to enable them to make informed choices that are best suited to their personal financial needs'.

Princess Mathilde is supporting to this project.

In addition to the launch of the FSMA's financial education programme, of the website and of the savings account simulator, the aim of the conference was to gather together all of those concerned by financial education in Belgium. They were convinced that education plays a crucial role in increasing awareness among young people. During the conference Pascal Smet, Flemish Minister of Education, organized round tables to discuss financial education issues related to youth, as well as the resources needed to integrate this subject into the curriculum.

g) <u>Dolceta = a European project</u>

The abbrevation Dolceta was originally derived from 'Developing On-Line Consumer Education and Training for Adults'. Dolceta is an ongoing online Consumer Education project involving 27 countries of EU, financed by the European Commission. Dolceta offers online modules which focus on different consumer topics. One of the topics is financial literacy for teachers. Belgium is one of the partners of this consortium.¹²

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¹⁰ http://www.fsma.be/nl/in-the-picture/Article/press/div/2013/2013-01-31 fineduc.aspx

¹¹ http://www.wikifin.be/nl/tools/rekentools/spaarsimulator

¹² http://www.dolceta.eu/

1.2 Institutions and schools

1.2.1 Introduction: School System in general

a) Educational system in Belgium

As a result of the various state reforms in Belgium since 1989 education is no longer part of the responsibilities of the federal state but of the Communities (Flemish, French and German-speaking Community).

For this project 'Financial Education' we will be focusing on Flanders and we will integrate this project in secondary education and more specifically in ASO (general secondary education)

Education in Flanders

In Flanders, there are 3 levels of education: primary education (pre-school and primary school), secondary education (high school) and higher education (vocational and university).

The *primary school* is for children from 6-12 years and *secondary education* is for children aged 12-18 years.

These 6 years of secondary education are divided into 3 degrees of two years.

The first grade consists of a core curriculum and at the end of the first grade children have to choose a particular study-programme:

- ASO (general secondary education) with emphasis on broad general education;
- TSO (technical secondary education) with 3 courses of study: a theoretical, practical, and a combination of theoretical and practical direction;
- KSO (artistic secondary education) that combines general education courses with art theory and practice;
- BSO (vocational secondary education) is a practical education.

Primary and secondary education is organized according to the so-called 'educational networks'. There are 3 educational networks in Flanders:

• The <u>Subsidized Free Education</u> (BER) which in turn can be divided into denominational (Catholic, Protestant, Jewish, ...) and non-denominational, such as Steiner schools, Freinet and Montessori Schools. These are schools from private organizations, but recognized by the Flemish government, if they reach certain requirements. The Free Education covers about two thirds of the Flemish education (in terms of numbers of schools and pupils).¹³

¹³ http://www.vlaanderen.be/en/publications/detail/flemish-education-in-figures-2011-2012-1

- <u>Community Education</u> (GO!) entirely organized by the Flemish Community. 15-20% of the Flemish schools belong to this network.¹⁴
- The <u>Official Subsidised Education</u> (DBL) which consists of urban / municipal and provincial education. The provincial schools follow the same curriculum as the Community Education, while the urban / municipal schools themselves decide which curriculum they follow.

Higher education in Flanders consists of universities and university colleges. A University college is any higher education institution except the University.

b) Educational programmes linked with economic and financial topics integrated in secondary schools

It is not possible to analyse the whole programme of secondary schools within the scope of this work package. We will focus on the learning outcomes in the social-economic context. Financial education can be integrated in socio-economic programmes where young people can become familiar with social participation, personal development and responsibility for their financial behaviour.

These learning outcomes are developed by The Flemish Ministry of Education ¹⁵ and they are the guideline for the different types of educational networks in Flanders.

These topics are included: the role of the government, the role of companies, the management of companies, the employers and employees organizations, welfare and prosperity, employment, economic activities, goods and services, ... Also the living in poverty (the knowledge of poverty: characteristics, causes and consequences) may be experienced as a barrier to full participation in the society. The education emphasizes on the rights and duties of consumers. Last but not least for the link with financial education is the following topic: budget as an element of consumer behaviour, self-reliance and resilience. All these topics are focusing on the dynamic nature of the social-economic society influenced by a permanent interaction between economic, social and financial mechanisms. The international context reflected in the globalizing economy also has a clear impact on this interaction. We could concluded that the knowledge of these themes empowers young people.

¹⁴ http://www.g-o.be/sites/portaal_nieuw/english/Pages/default.aspx

¹⁵ http://www.ond.vlaanderen.be/curriculum/secundair-onderwijs/vakoverschrijdend/context6.htm

Inspired by European recommendation and based on ideas from the OECD project 'The definition and selection of key competences', the updating of the goals of these learning outcomes offers an answer to the question which minimum competences every citizen in Flanders needs to participate in the society and to develop his own personal life. 16 The learning outcomes prepare pupils on a critical and creative function in the society and the development of personal life.

To realise these ideas the Flemish Ministry of Education creates a framework to operationalize the vision of basic education in secondary schools in different packages such as:17 physical health and safety, mental well-being, socio-relational development, a multiculturaldemocratic society, environment and sustainable development, political-legal society, socialeconomic society and socio-cultural society.

We can conclude that financial education could be integrated in all these different packages and could be linked with it. Basic skills like think and act autonomously, communication and collaboration, self-reliance and resilience, social functioning, exploration, initiative and creativity, etc. are in each package expressed more than once and this causes an overlap.

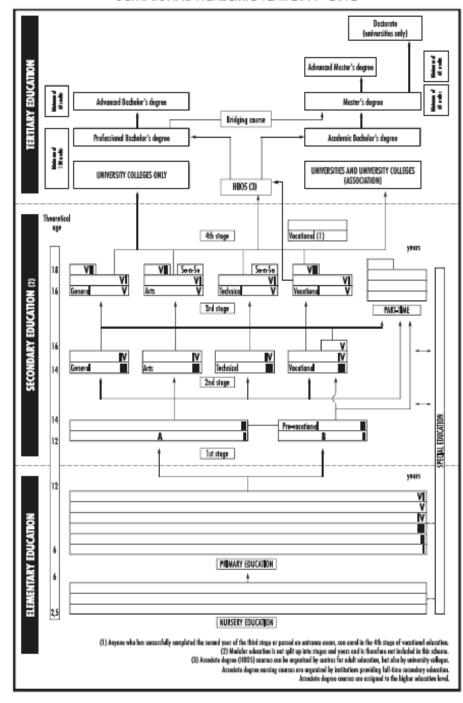
In the following section, we will describe the structure of the Flemish education and we will show some numbers of students in secondary schools. More information could be found on the website: http://www.vlaanderen.be/en/publications/detail/flemish-education-in-figures-2011-2012-1.

http://ec.europa.eu/education/lifelong-learning-policy/key_en.htm http://www.ond.vlaanderen.be/onderwijsaanbod/

1.2.2 The School system on graphic 18

STRUCTURE OF FLEMISH EDUCATION





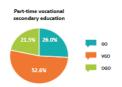
¹⁸ http://www.vlaanderen.be/nl/publicaties/detail/flemish-education-in-figures-2011-2012-1

1 School population in secondary education

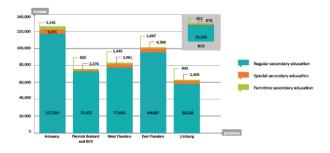
		GO						OGO			Total	
	М	F	T	M	F	Т	М	F	Т	M	F	Т
Regular secondary educat	tion											
Reception class for immigrants	625	386	1,011	772	572	1,344	485	313	798	1,882	1,271	3,15
1st stage	11,409	10,913	22,322	50,964	51,728	102,692	5,279	3,041	8,320	67,652	65,682	133,33
2nd stage	12,062	11,827	23,889	51,315	52,418	103,733	6,641	4,081	10,722	70,018	68,326	138,34
3rd stage *	12,632	12,602	25,234	53,192	53,689	106,881	7,459	4,512	11,971	73,283	70,803	144,08
* of which advanced secondary education ('Se-n-Se')	303	268	571	1,067	621	1,688	143	143	286	1,513	1,032	2,54
4th stage	-	-	-	44	163	207	-	-	-	44	163	20
Modular education (on 2nd and 3rd stage level)	198	73	271	387	636	1,043	244	3	247	829	732	1,56
Total regular secondary education	36,926	35,801	72,727	156,674	159,226	315,900	20,108	11,950	32,058	213,708	206,977	420,68
Special secondary educa- tion (1)	3,124	1,780	4,904	7,816	4,588	12,404	1,707	820	2,527	12,647	7,188	19,83
Total full-time secondary education	40,050	37,581	77,631	164,490	163,814	328,304	21,815	12,770	34,585	226,355	214,165	440,52
Part-time secondary education	1,388	751	2,139	2,967	1,364	4,331	1,181	590	1,771	5,536	2,705	8,24

2 Distribution across the educational networks





3 Distribution across the provinces



4 Education types in the 2nd, 3rd and 4th stage and modular full-time secondary education

		GO			VGO			OGO			Total	
	M	F	т	M	F	T	M	F	т	M	F	Т
2nd stage												
ASO	4,949	5,430	10,379	23,036	27,590	50,626	746	874	1,620	28,731	33,894	62,625
TSO	2,953	2,455	5,408	17,765	14,705	32,470	2,610	955	3,565	23,328	18,115	41,443
KSO	216	320	536	445	986	1,432	336	642	978	998	1,948	2,946
BSO	3,944	3,622	7,566	10,068	9,137	19,205	2,949	1,610	4,559	16,961	14,369	31,330
Total 2nd stage	12,062	11,827	23,889	51,315	52,418	103,733	6,641	4,081	10,722	70,018	68,326	138,344
3rd stage												
ASO	3,827	4,485	8,312	18,783	23,593	42,376	527	684	1,211	23,137	28,762	51,899
TSO	3,750	2,947	6,697	19,899	16,319	36,218	2,982	1,305	4,287	26,631	20,571	47,202
KSO	270	423	693	530	1,119	1,649	366	663	1,029	1,166	2,205	3,371
BSO	4,785	4,747	9,532	13,980	12,658	26,638	3,584	1,860	5,444	22,349	19,265	41,614
Total 3rd stage	12,632	12,602	25,234	53,192	53,689	106,881	7,459	4,512	11,971	73,283	70,803	144,086
4th stage												
4th stage BSO	-	-	-	44	163	207	-	-	-	44	163	207
Modular education BSO	198	73	271	387	656	1,043	244	3	247	829	732	1,561

1.2.3 Our partner school is St. Pieters College in Leuven¹⁹

St. Pieters College (College of Saint Peter) is situated in the centre of Leuven and is a subsidized Private School. They offer only General Education (ASO): first, second and third grade. Young people from 12 to 18 years could follow courses in these school.

The *mission* of the school could be translated as:

"We want to offer quality education and a broad education. In addition we assist our students in becoming more independent. We want to create a warm, honest, respectful atmosphere, with possibilities for different initiatives."

St. Pieters College is offering an outstanding preparation for higher education afterwards. They want to challenge their pupils, to stimulate them and to offer them a lot of possibilities to develop themselves and to become independent young people.

¹⁹ http://www.sintpieterscollege.be/2012/

The structure of the school is as follows:²⁰

Derde graad				
01 11 10 10 10 10 10 10 10 10 10 10 10 1	Latijn-Wiskunde			Wetenschappen- Wiskunde
Grieks-Latijn	of	Economie-Moderne Talen		of
of	Lati jn-Wetenschap pen	of	Human e Weten schapp en	Wetenschappen- Moderne Talen
Grieks-Wisk und e	of	Bcono mie-Wiskunde		of
	Latijn-Moderne Talen			Wiskunde- Moderne Talen
Tweede graad				
Grieks-Latijn	Latijn	Boonomie A - Boonomie B	Humane Wetenschappen	Wetenschappen
Eerste graad				
Grieks-Latijn	Latijn		Moderne wetenschappen	
Kl as sie lo	e Studiën		гожние неченьмирую	

When we look where "financial education" is offered now, we focus in the first grade on the modern sciences. ('Moderne wetenschappen')

In the second grade, we concentrate on the programme of economics. ('Economie A/B') and Human Sciences ('Humane wetenschappen').

In the third grade, we have the programme of economics/modern languages economics ('Economie/moderne talen') or economics-mathematics ('Economie/Wiskunde') and Human Sciences ('Humane wetenschappen').

We have based this analysis on the teaching (doctrine) plans issued by the Catholic education. (VVKSO 'Verbond van Katholiek Secundair Onderwijs' or Association of Catholic Secondary Education)²¹

In the second year of the first grade socio-economic initiation (SEI or 'Socio-economische initiatie') is an optional course. In the first grade, this course will only verify if the student is interested to study economics by offering some interesting topics.

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²⁰ http://www.sintpieterscollege.be/2012/?page_id=38

²¹ http://www.vvkso.be/

We discovered topics such as: purchasing power, the sources of family income and the household expenditures.

In the second grade the learning outcomes for the courses of economics are the functioning of companies (SME): their core business, growth and prosperity, ...

In the third grade the following topics such as the competition between markets, the imperfect market, generation of income, income inequality, poverty, GDP as welfare indicator of a country,....economic fluctuations, international economic relations will be taught in the courses of economics.

More information is available on the website of St. Pieters college.²²

Students also could learn about business by creating their own small business. Therefore, the school is collaborating with Vlajo (Flemish Young people), an organisation subsidized by the Flemish government to stimulate entrepreneurship among young people. Students of the last year or the third grade could choose this possibility.²³ Students could learn about the functioning of companies by playing the game 'Vlajo Challenge'.²⁴

Results of Gap Analysis

When we analysed the learning contents from St. Pieters College in the first grade, second grade, third grade where we mainly focused on economic courses, we realised that financial education in the sense of information about the financial products, the way how to deal with money, the mechanism of credit risk and debt, the saving programmes, ... is not integrated in the programmes.

There is not yet an integration of a financial game in the curriculum.

Research conducted on financial education indicates that the level of financial literacy is very low. We think that getting the interest of young people in financial education is no easy task.

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²² http://www.sintpieterscollege.be/2012/wp-content/uploads/2012/04/brochuretweedegraad2012.pdf

²³ http://www.vlajo.org/index.php?MId=24&MX0=13&MX1=24

²⁴ http://www.vlajochallenge.be/

2 Results of Needs Analysis

2.1 General competence			
2.1.1 Spending free time	Partial competence	contents within classes	subject & grade
PUPILS ARE ABLE TO THINK IN CATEGORIES OF ECONOMIC BEHAVIOR: HOW DO PEOPLE TAKE ECONOMIC DECISIONS?	differ between various needs and goods. (1) explain that shortage is the reason for friction between unbounded needs and resources and therefore people have to act in an economic way. (2) show that the variety of competing (own and external) needs leads to conflicts in decision and allocation. (3) show that economic player make decisions about alternatives, on basis of economic plans. (4) explain that economic decisions have to be made under uncertain conditions and therefore are risky, as relevant information can not be collected completely.(5) show that economic players take decisions, which provide the highest benefit, also considering own preferences	Spending free time Which money are we using? Use our own pocket money or receive money from parents or savings? What is free time for young people? How many will be spent for a movie, for a trip, or for buying video games, for a mobile phone? Using money for gadgets and weekly entertainment means less money for vacation.	Specific content: To discover the difficulty of making choices and to see the consequences of these choices. Curriculum: Interdisciplinary courses 3rd grade (economics, ethics) 1st grade: economics (purchasing power)

PUPILS ARE ABLE TO DO CONNECTION-BASED AND INTERDEPENDENCY-BASED THINKING: HOW DO PEOPLE AFFECT EACH OTHER IN AN ECONOMIC WAY?	 explain causes, forms and results of division of work. (7) explain, how division of work embeds economic players in a complex network of economic interdependencies. (8) grasp economic transactions between national and international players in form of a cycle-network. (9) 	Consumption of sweets, film, bars, holiday means revenue for producers and suppliers. Expenditures done by young people are revenues for providers.	Specific content: Relationship between consumption, production, employment; 3 rd grade: macroeconomics
PUPILS ARE ABLE TO THINK ABOUT CONNEC- TIONS OF POLICY: HOW DO PEOPLE CREATE ECONOMIC POLICIES?	 explain that the coordination of economic plans in market economies is primary based on markets. (10) grasp the economic system of a country as a legal and institutional regime for economic acting. (11) explain the economic and social relevance of competition. (12) show general functions of the general government, which is embedded in a market economy. (13) 	The leisure market is competitive. There is a lot of choice and there is very high demand. More competition means lower prices for consumers. Think e.g. about the competition between airlines where the consumer is the winner.	Specific content: The mechanism of the markets: offer and demand 2 nd grade: the markets
PUPILS ARE ABLE TO ANALYSE ECONOMIC SITUATIONS BY USING SPECIFIC METHODS TO BECOME AWARE OF FINANCIAL CIRCUMSTANCES.	 analyse situations of decisions by using economic models of behaviour. (14) analyse economic relationships and effects of political measures by using a cycle-model. (15) show and analyse market processes by using e.g. a model for determin- 	A VAT increase ('fat tax') on candy consumption would reduce the consumption of candies. A fat tax increases the price. An increase of the prices of kerosene (by providers of oil or by the government through	Specific content: The position of government to protect consumers against obesity. 3 rd grade: welfare of a country (economics, language course, crosscurricular courses)

	ing the price. (16) find information from different sources. (17) investigate the economic reality by making excursions, enquiries or interviews with experts. (18) visualize economic processes, process of decision-making and forms of organisations. (19)	more taxes) increases the price of flying. More taxes means costs for flying airlines. More subsidies for airlines (e.g. Brussels South) means cheaper flights for consumers. Advertising of low-cost airlines (e.g. Ryanair) increases the demand for travelling by young people. Producers of Internet and mobile communication are	Specific content: The link between taxes, costs and prices 2 nd grade: economics – pricing on the markets
		mobile communication are advertising especially to reach young people. Internet sites give students the possibility to compare prices.	
PUPILS ARE ABLE TO EVALUATE ECONOMIC ACTIVITIES AND SITUATIONS BY USING ECONOMIC CATEGORIES.	 evaluate alternatives of possible decisions by using economic categories. (20) evaluate actions and their effects by using economic criteria with regard to aims and values. (21) evaluate the usefulness and capability of legal and institutional rules for economic acting. (22) 	Could young people get a loan for their holidays? Is the law stricter to give loans to young people?	Specific content: advantages and disadvantages of taking loans 3 rd grade: economics, history, language courses

PUPILS ARE ABLE TO RE- FLECT AND EVALUATE WAYS OF ECO- NOMIC IDENTIFICATION AND JUDGMENT.	differ between judgment on the merits and on the values about economic situations. (23) check and evaluate the range of the economic way of perception and mindset. (24)	Giving loans to young people for vacation should be discouraged by the government. Opportunities for the debts for young people is irresponsible. The law concerning gambling (free time) on-line for young people should be restrained. Prohibition of violent video games by the government should be foreseen.	Specific content: the role of the government to protect consumers or guarantee the freedom of consumers 3 rd grade: cross curricular courses (ethics, economics, history,)
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2.2 General competence			
2.2.1 Purchase of clothes	Partial competence	contents within classes	subject & grade
PUPILS ARE ABLE TO THINK IN CATEGORIES OF ECONOMIC BEHAVIOR: HOW DO PEOPLE TAKE ECONOMIC DECISIONS?	 differ between various needs and goods. (1) explain that shortage is the reason for friction between unbounded needs and resources and therefore people have to act in an economic way. (2) show that the variety of competing (own and external) needs leads to conflicts in decision and allocation. (3) show that economic player make decisions about alternatives, on basis of economic plans. (4) explain that economic decisions have to be made under uncertain conditions and therefore are risky, as relevant information can not be collected completely. (5) show that economic players take decisions, which provide the highest benefit, also considering own preferences 	The purchase of clothes Gifts from parents or self- financing? Are these purchases monthly or weekly or seasonally? Young people, do they prefer brand clothing or clothing from the popular chains (e.g. H&M, Zara)? Monthly purchases of clothes reduce the budget for leisure and vacation! Purchases every month is very risky. Purchases of fashionable clothes can be done under pressure from the peer group.	Specific content: how to manage their own budget 1st grade: cross curricular courses. Specific content: the influence of peer groups Language courses, history
PUPILS ARE ABLE TO DO CONNECTION-BASED AND INTERDEPENDENCY-	explain causes, forms and results of division of work. (7)	Purchasing clothes means turnover for the distribution chains of clothes.	Specific content: the effects of advertising
BASED THINKING: HOW DO PEOPLE AFFECT	explain, how division of work embeds economic players in a complex net-	A lot of advertising from chains addressed to young	Ethics, economics,

EACH OTHER IN AN ECONOMIC WAY?	work of economic interdependencies. (8) grasp economic transactions between national and international players in form of a cycle-network. (9)	Purchasing clothes for young people means less savings for holiday trips or any other more expensive purchase (e.g. Smartphone). More purchases by young people means more sales for the stores, means more employment in the sector and more profits and might return in more investments in the stores	
PUPILS ARE ABLE TO THINK ABOUT CONNEC- TIONS OF POLICY: HOW DO PEOPLE CREATE ECONOMIC POLICIES?	 explain that the coordination of economic plans in market economies is primary based on markets. (10) grasp the economic system of a country as a legal and institutional regime for economic acting. (11) explain the economic and social relevance of competition. (12) show general functions of the general government, which is embedded in a market economy. (13) 	Market of clothing is varied: large chains and small retailers. Mass purchases from suppliers reduce the production costs for the big chains (e.g. H&M). The big chains realize economies of scale.	Specific content: the working of the different markets and the relation between consumption, turnover, revenues, profit 2 nd grade: economics
PUPILS ARE ABLE TO ANALYSE ECONOMIC SITUATIONS BY USING SPECIFIC METHODS TO BECOME AWARE	 analyse situations of decisions by using economic models of behaviour.(14) analyse economic relationships and	Policy of the government regarding the period of price discounts/sales ('solden') in Belgium.	

		T	
OF FINANCIAL CIRCUMSTANCES.	effects of political measures by using a cycle-model. (15) show and analyse market processes by using e.g. a model for determining the price. (16) find information from different sources. (17) investigate the economic reality by making excursions, enquiries or interviews with experts. (18) visualize economic processes, process of decision-making and forms of organisations. (19)	The government controls the major producers of clothes in their ethical behaviour. What is the place of child labour in the whole production process. EU analyses the competitiveness of the major players and checks if they don't make price agreements. The politics of globalization means global supply of the big chains of clothes. Shopping areas are most of the time looking the same in the big cities. The government offers advantages of taxes to the great players.	
PUPILS ARE ABLE TO EVALUATE ECONOMIC ACTIVITIES AND SITUATIONS BY USING ECONOMIC CATEGORIES.	 evaluate alternatives of possible decisions by using economic categories. (20) evaluate actions and their effects by using economic criteria with regard to aims and values. (21) evaluate the usefulness and capability of legal and institutional rules for economic acting. (22) 	Purchasing clothes by local players is more ethical. Create your own clothing isn't a part of the GDP of a country. Will the advertising conducted by the major clothing chains be studied by the government and/or monitored?	Specific content: the role of the government 3 rd grade: history, economics, ethics,

		Buying cheap clothes online	
		will not provide employment	
		in your own country.	
PUPILS ARE ABLE TO RE-	differ between judgment on the mer-		
FLECT AND	its and on the values about economic	The government can better	
EVALUATE WAYS OF ECO-	situations. (23)	try to help local producers of	
NOMIC	check and evaluate the range of the	clothes and subsidize these	
IDENTIFICATION AND	economic way of perception and	companies if it's necessary.	
JUDGMENT.	mindset. (24)		
		The government could help to	
		create more conscious con-	
		sumers	

2.3 General competence			
2.3.1 Purchase of a Tablet/PC	Partial competence	contents within classes	subject & grade
PUPILS ARE ABLE TO THINK IN CATEGORIES OF ECONOMIC BEHAVIOR: HOW DO PEOPLE TAKE ECONOMIC DECISIONS?	 differ between various needs and goods. (1) explain that shortage is the reason for friction between unbounded needs and resources and therefore people have to act in an economic way. (2) show that the variety of competing (own and external) needs leads to conflicts in decision and allocation. (3) show that economic player make decisions about alternatives, on basis of economic plans. (4) explain that economic decisions have to be made under uncertain conditions and therefore are risky, as relevant information can not be collected completely. (5) show that economic players take decisions, which provide the highest benefit, also considering own preferences 	The purchase of a tab-let/PC Save or borrow to purchase? Saved money should be foreseen for the purchase of supplies: software, protection, insurance against theft, The purchase of a PC or tablet is an important part of the budget and means less money for new mobile phones, or free time, or vacation, A loan means monthly repayment. A tablet/PC means freedom because you can work anywhere and have access to internet everywhere. Additional costs may be an internet account, a payment of an insurance fee,	Specific content: Purchase or borrowing money. The risks of loans. The consequences of loans. Calculating repayment 3 rd grade: economics, mathematics, ethics
PUPILS ARE ABLE TO DO CONNECTION-BASED AND INTERDEPENDENCY-	explain causes, forms and results of division of work. (7)	A loan means revenues/profit for the bank. The purchase of a PC is inter-	Specific content: the working of the bank; the different kind of credits
BASED THINKING: HOW DO PEOPLE AFFECT	explain, how division of work embeds economic players in a complex net-	esting for the producers of tablets/PCs.	3 rd grade: language

FACILIOTUED		The property of the second	
EACH OTHER	work of economic interdependen-	The purchase of these goods	courses, economics
IN AN ECONOMIC WAY?	cies.(8)	means more revenues for in-	Consider content, the link
	grasp economic transactions between	•	Specific content: the link
	national and international players in		between turnover, de-
	form of a cycle-network. (9)	sales can mean more em-	mand, production, profit,
		ployment,	employment
	explain that the coordination of eco- nomic plans in market economies is primary based on markets.(10)	The offer is varied. The market of manufacturers of PCs and tablets is an oligopoly. The supply of loans is varied (different banks) and the sup-	Specific content: the dif- ferent kind of products offered by insurance com- panies
PUPILS ARE ABLE TO	grasp the economic system of a	ply of insurances is different.	3 rd grade: economics
THINK ABOUT CONNEC- TIONS OF POLICY: HOW DO PEOPLE CREATE ECONOMIC POLICIES?	country as a legal and institutional regime for economic acting. (11) explain the economic and social relevance of competition. (12)	The government is controlling the loans given to young people. (legislation)	Specific content: the working of a cartel (advantages and disad-
	show general functions of the general government, which is embedded in a market economy. (13)	Banks and insurance companies give different rates.	vantages). Cartels are forbidden by EU.
		Banks could work together and make price agreements.	3 rd grade: language courses, economics
	analyse situations of decisions by us-	Advertising campaigns for tablets/PCs stimulate to buy.	
	ing economic models of behaviour.	Schools that work with PCs	
PUPILS ARE ABLE TO AN-	(14)	and tablets stimulate pur-	
ALYSE ECONOMIC SITUA-	analyse economic relationships and	chases.	
TIONS BY USING SPECIF-	effects of political measures by using		
IC METHODS TO BECOME AWARE	a cycle-model. (15)	Grants to schools help pupils	
OF FINANCIAL CIRCUM-	show and analyse market processes	to buy tablets/PC.	
STANCES.	by using e.g. a model for determin-		
STAINCES.	ing the price. (16)	New forms of education en-	
	find information from different	courage the use (purchase) of	
	sources. (17)	PCs/tablets.	

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	 investigate the economic reality by making excursions, enquiries or interviews with experts. (18) visualize economic processes, process of decision-making and forms of organisations. (19) 	The hype and the competition between large producers (e.g. Samsung and Apple) encourage the purchase. Information about the products can be found on the internet.	
PUPILS ARE ABLE TO EVALUATE ECONOMIC ACTIVITIES AND SITUATIONS BY USING ECONOMIC CATEGORIES.	evaluate alternatives of possible decisions by using economic categories. (20) evaluate actions and their effects by using economic criteria with regard to aims and values. (21) evaluate the usefulness and capability of legal and institutional rules for economic acting. (22)	Is it an advantage to take a loan? What is the use of an insurance for this product? Are you able to do the monthly repayment? Will I be protected by the government when I fail to pay back the money?	Specific content: the role of the government to protect consumers. 3 rd grade: economics, language courses (newspaper articles)
PUPILS ARE ABLE TO RE- FLECT AND EVALUATE WAYS OF ECO- NOMIC IDENTIFICATION AND JUDGMENT.	differ between judgment on the merits and on the values about economic situations. (23) check and evaluate the range of the economic way of perception and mindset. (24)	Multiple purchases of PCs/tablets may reduce the price. The competition between the players reduces the prices for consumers. Numerous new models and upgrades may give the feeling to the consumers to buy always an old model.	Specific content: the ethical way of production 3 rd grade: language courses, marketing, economics

	Is the planned obsolescence of the PC/tablets by producers ethically?	
	Tablet usage becomes convenient for the consumer.	

2.4 General competence2.4.1 Purchase of a Mobile phone	Partial competence	contents within classes	subject & grade
PUPILS ARE ABLE TO THINK IN CATEGORIES OF ECONOMIC BEHAVIOR: HOW DO PEOPLE TAKE ECONOMIC DECISIONS?	differ between various needs and goods. (1) explain that shortage is the reason for friction between unbounded needs and resources and therefore people have to act in an economic way. (2) show that the variety of competing (own and external) needs leads to conflicts in decision and allocation. (3) show that economic player make decisions about alternatives, on basis of economic plans. (4) explain that economic decisions have to be made under uncertain conditions and therefore are risky, as relevant information can not be collected completely.(5) show that economic players take decisions, which provide the highest benefit, also considering own preferences	The purchase of a mobile phone Saving of loaning to purchase? What kind of mobile phone do I need: a simple phone or a smartphone? Purchasing phones also means the subscription or use of provider. This is an extra cost permonth. Why am I using a mobile phone: calling, texting, internet, mails, calendar. The purchase of a mobile phone means less money for something else. The purchase of a mobile phone means freedom and security. Loans represents an increase of costs per month. A traditional mobile phone (call, text, clock,) is more than enough for young people!	Specific content: The extra costs by buying a mobile phone or smartphone 1st grade: economics, ethics,

PUPILS ARE ABLE TO DO CONNECTION-BASED AND INTERDEPENDENCY-BASED THINKING: HOW DO PEOPLE AFFECT EACH OTHER IN AN ECONOMIC WAY?	explain causes, forms and results of division of work. (7) explain, how division of work embeds economic players in a complex network of economic interdependencies. (8) grasp economic transactions between national and international players in form of a cycle-network. (9)	maybe the possibility to reduce the price. Enormous profits can be generated for the providers. The government should control the pricing system of the providers.	Specific content: the working of the bank. 2 nd grade: economics, languages courses Specific content: macro economic thinking 3 rd grade: economics (newspaper articles), language courses, ethics
PUPILS ARE ABLE TO THINK ABOUT CONNEC- TIONS OF POLICY: HOW DO PEOPLE CREATE ECONOMIC POLICIES?	explain that the coordination of economic plans in market economies is primary based on markets. (10) grasp the economic system of a country as a legal and institutional regime for economic acting. (11) explain the economic and social relevance of competition. (12) show general functions of the general	The supply of mobile phones is varied but there is a limited number of players. There is an oligopolistic competition. The range of providers is limited (market entry is limited and expensive). This is also an oligopoly. The possibility of loans from	Specific content: the working of an oligopoly and the consequences for the consumers. 3rd grade: economics Specific content: advantages and disadvantages of tying

	government, which is embedded in a market economy. (13)	the bank depends on age and income. Credits for young people are limited. The government wants more tariff transparency (post-paid and pre-paid possibilities) The government allows tying for mobile phone and provider.	3 rd grade: economics and language courses, history
PUPILS ARE ABLE TO AN- ALYSE ECONOMIC SITUA- TIONS BY USING SPECIF- IC METHODS TO BECOME AWARE OF FINANCIAL CIRCUMSTANCES.	analyse situations of decisions by using economic models of behaviour. (14) analyse economic relationships and effects of political measures by using a cycle-model. (15) show and analyse market processes by using e.g. a model for determining the price. (16) find information from different sources. (17) investigate the economic reality by making excursions, enquiries or interviews with experts. (18) visualize economic processes, process of decision-making and forms of organisations. (19)	The possibility to buy a mobile phone and a a provider together. The possibility to buy only a mobile phone. The possibility of subscription or prepaid cards. Buying a mobile phone and the provider together attract consumers. Subscription is security for the consumer: always and every moment you can call. This means fixed revenues for operators/providers. Competition reduces the prices. Buyers could find a lot of information about producers, providers and retailers on internet. Salespeople in the Bell stores are important.	Specific topic: the working of the market of providers Transparency or not? 3 rd grade: economics

PUPILS ARE ABLE TO EVALUATE ECONOMIC ACTIVITIES AND SITUATIONS BY USING ECONOMIC CATEGORIES.	evaluate alternatives of possible decisions by using economic categories. (20) evaluate actions and their effects by using economic criteria with regard to aims and values. (21) evaluate the usefulness and capabil-	Which subscription or system should I prefer? Is it interesting to save the amount or to borrow for buying a smartphone? Are you able to do monthly payments to the bank and could you pay the phone cards every month/weekly. Do you have enough infor-	Specific content: to manage their own budget 2 nd grade: language courses, economics, cross-curricular courses
CATEGORIES.	ity of legal and institutional rules for economic acting. (22)	mation about the call rates and are you protected against the high cost of using internet on your smart phone (no wifi and abroad)? The money that the govern-	Cross-curricular courses
PUPILS ARE ABLE TO RE- FLECT AND EVALUATE WAYS OF ECO- NOMIC IDENTIFICATION AND JUDGMENT.	differ between judgment on the merits and on the values about economic situations. (23) check and evaluate the range of the economic way of perception and mindset. (24)	ment receives for the accession of the operators should be used to make the market more transparent. The government should protect the consumer against the aggression of operators and the advertising campaigns from producers. The huge demand for mobile providers can create employment in the sector, in the IT sector, in the advertising world,	Specific content: the role of the government against the freedom on the market 3 rd grade: language courses, economics, ethics

2.5 General competence			
2.5.1 Staying at home or rent			
a room during higher			
education	Partial competence	contents within classes	subject & grade
PUPILS ARE ABLE TO THINK IN CATEGORIES OF ECONOMIC BEHAVIOR: HOW DO PEOPLE TAKE ECONOMIC DECISIONS?	differ between various needs and goods. (1) explain that shortage is the reason for friction between unbounded needs and resources and therefore people have to act in an economic way. (2) show that the variety of competing (own and external) needs leads to conflicts in decision and allocation. (3) show that economic player make decisions about alternatives, on basis of economic plans. (4)	Staying at home or rent a room during the higher education Studying at home means saving money. Renting a room will mean a cost, an expenditure. To live in a room means more freedom.	Specific content: How to manage my own budget? 3 rd grade: economics, cross curricular courses

PUPILS ARE ABLE TO DO CONNECTION-BASED AND INTERDEPENDENCY-BASED THINKING:	explain causes, forms and results of division of work. (7) explain, how division of work embeds economic players in a complex network of economic interdependen-	Rent a room could be financed by the money earned during a summer job, gifts from parents,	
HOW DO PEOPLE AFFECT EACH OTHER IN AN ECONOMIC WAY?	cies.(8) grasp economic transactions between national and international players in form of a cycle-network. (9)	Rent money means income for the landlords (private) or for college (the university which is also owner of some build- ings for students)	
PUPILS ARE ABLE TO THINK ABOUT CONNEC- TIONS OF POLICY: HOW DO PEOPLE CREATE ECONOMIC POLICIES?	explain that the coordination of economic plans in market economies is primary based on markets.(10) grasp the economic system of a country as a legal and institutional regime for economic acting. (11) explain the economic and social relevance of competition. (12) show general functions of the general government, which is embedded in a market economy. (13)	To study not at home will mean more demand for rooms. The demand for rooms increases but the availability of rooms in Leuven is limited, so prices will rise. Government / university would be able to set a maximum price. The university could adjust their prices for rooms so everyone could rent a room. The university could have to take into account the market price. The government has control on the safety of the rooms. Strict rules on renting rooms to students are necessary.	Specific content: the working of the market. The relation between demand and supply. Prices are the invisible hand of the market. History (A. Smith), economics, language courses, The role of the government on the market.
PUPILS ARE ABLE TO AN- ALYSE ECONOMIC SITUA- TIONS BY USING SPECIF- IC METHODS TO BECOME	analyse situations of decisions by us- ing economic models of behaviour. (14)	Supply of rooms from the university may provide more competition in the market with price reductions.	

AWARE OF FINANCIAL CIRCUMSTANCES.	 analyse economic relationships and effects of political measures by using a cycle-model. (15) show and analyse market processes by using e.g. a model for determining the price. (16) find information from different sources. (17) investigate the economic reality by making excursions, enquiries or interviews with experts. (18) visualize economic processes, process of decision-making and forms of organisations. (19) 	Stricter laws regarding rental of rooms may constrain the supply or rooms. More incoming Erasmus students in university towns will increase the demand for rooms and prices. University has a good information system about the availability of rooms in town.	
PUPILS ARE ABLE TO EVALUATE ECONOMIC ACTIVITIES AND SITUATIONS BY USING ECONOMIC CATEGORIES.	evaluate alternatives of possible decisions by using economic categories. (20) evaluate actions and their effects by using economic criteria with regard to aims and values. (21) evaluate the usefulness and capability of legal and institutional rules for economic acting. (22)	Studying at home reduces the cost of the studies. To pay their rooms and other expenditures students sometimes have to combine studies with work. Is this the ideal combination? Certainly not feasible for all students. Is there sufficient control by the government on the landlords of rooms?	Specific content: New school systems such as blended learning could be the solution for students who have to combine studies and work. 3rd grade: language courses, cross curricular courses,
PUPILS ARE ABLE TO RE- FLECT AND EVALUATE WAYS OF ECO- NOMIC	differ between judgment on the merits and on the values about economic situations. (23) check and evaluate the range of the	Supervision by the govern- ment on the quality of rooms increases the comfort for stu- dents.	

IDENTIFICAT	TION AND	economic way of perception and	Renting a room ('kot') means	
JUDGMI	ENT.	mindset. (24)	learning how to manage mon-	
			ey and freedom.	
			The offer of the universities	
			rooms lowers the price for the	
			students.	

3 CONCLUSION

The awareness of the importance of financial education among policy makers in economies all over the world is very clear. Also in Belgium there are contacts between the Ministry of Education, the Ministry of Consumer affairs and the Ministry of Finance.

There is a lot of information about financial literacy, international conferences all over the world about the topic 'financial education'. The Conference of Child and Youth in Brussels at the end of January 2013 shows us the importance of that topic. Not only the Minister of Finance was convinced by the need of financial education also the Minister of Flemish Education, Pascal Smet and the Minister of Consumer Affairs recognized the need of good financial education for young people. They also know that financial education should start at school. People should be informed about financial matters as early as possible in their lives.

Financial literacy is a core life skill for fully participating in a modern society. Children are growing up in an increasingly complex world where they will eventually need to take charge of their own financial future.

National surveys show that young adults have the lowest levels of financial literacy also in Belgium where young people were not so successful in a test about financial products.

This is reflected in their general inability to choose the right financial products and often a lack of interest in undertaking financial planning.

Even from an early age, children need to develop the skills to choose between different career and education options and manage any discretionary funds they may have, whether from allowances or part time jobs. These funds may entail the use of saving accounts or bank cards.

Situations where students/pupils have to reflect about managing their budget (the purchase of clothes, the purchase of mobile phones or smart phones, ...) have been developed. We are convinced that very simple examples could help students/pupils to think about financial planning.

Our Minister of Flemish Education is trying to introduce financial education programmes in our school system. Financial education programmes that help financial consumers to find the facts and to understand pros and cons as well as the risks of different types of financial products. Our project LLP could help to develop these financial education programmes.

We discovered in Flanders the need of the introduction of financial education amongst young people but financial literacy and good financial topics are not hot topics in our education system and there is still a long way to go.

We found that yet financial education/literacy is not well integrated in school programmes of secondary schools. We couldn't find financial literacy and specific topics of financial education in the education programmes of St. Pieters College, our partner school for this project.

In this paper we tried to analyse some typical topics such as: saving or spending, how to manage your own budget illustrated by very simple examples.

The work package 3 will be the start of a long process. We are convinced that we have to develop education programmes to promote financial literacy and have to help young people to make better financial decisions for their futures. The LLP will help us to do it.

And we want to conclude that:

"Financial education is increasingly important, and not just for investors. It is becoming essential for the average family trying to decide how to balance its budget, buy a home, fund the children's education and ensure an income when the parents retire." (OECD 2006).

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