

# GUIDELINES ON FINANCIAL EDUCATION AT SCHOOL AND GUIDANCE ON LEARNING FRAMEWORK

(FINAL DRAFT FOR PUBLIC CONSULTATION)





#### **GUIDELINES ON FINANCIAL EDUCATION AT SCHOOL**

### **INTRODUCTION**

## **Background**

In the aftermath of the global financial crisis, financial education issues have reached a momentum and financial literacy has gained international recognition as a critical life skill for individuals. In this respect, more and more countries are developing tailored financial education strategies and programmes, are introducing financial education into the school curriculum and designing dedicated learning frameworks.

The rationale for these new policy endeavours is multifold. First, while financial education concerns all ages, the education of the younger generation on financial issues has become all the more important since they will likely bear more financial risks and be faced with increasingly complex and sophisticated financial products than their parents. Second, the young have access to, and are being offered, financial services at ever earlier ages (through pocket money, cell phones, bank accounts, or even credit cards). Yet, most recent surveys show worrying low levels of youth financial literacy and capability and, in many cases, significantly lower levels than older generations.

Against this backdrop, including financial education in the official school curriculum is considered one of the most efficient and fair ways to reach a whole generation on a broad scale. In addition, since the curriculum spans several years and can start as early as kindergarten, it is a unique means to inculcate and nurture a more sound financial culture and behaviours amongst future adults. This is especially critical since parents are unequally equipped to transmit to their children sound financial habits. Besides, as demonstrated in other related education fields (such as health), young people are potentially good disseminators of new habits in the rest of the population.

Yet the successful integration of financial education in school curricula proves to be challenging in many respects owing to a vast range of constraints. These include: lack of resources and time; already packed curricula; insufficient expertise and know how; lack of quality materials; the variety of stakeholders involved; and the lack of strong and sustainable political willingness, commitment and overall accountability.



To address these challenges, building on preliminary surveys conducted by the OECD in 2008; broad data collection<sup>1</sup> conducted through the International Network on Financial Education (INFE) in 2008/2009 as well as analytical reports<sup>2</sup> prepared by the INFE and the OECD, the special subgroup of the INFE on schools decided to develop guidelines on financial education at school. The resulting draft guidelines are presented in this document, and are complemented by a checklist on learning framework on financial education in annex.

## **Purpose and Scope**

Once finalised the Guidelines will stand as a tailored supplement to the *Recommendation on Principles and Good Practices for Financial Education and Awareness* adopted by OECD governments in 2005. The OECD Council Recommendation already stressed that "Financial education should start at school. People should be educated about financial matters as early as possible in their lives."

Against this backdrop, these Guidelines are aimed at providing high-level international and non binding guidance to assist policymakers and interested stakeholders in designing, introducing and developing efficient financial education programmes in school. Such Guidelines can thus be adapted as necessary to national or other jurisdictional circumstances and in particular curriculum and diversity of educational systems.

Depending on the structure of educational systems at local, regional or national levels, the Guidelines apply to school programmes starting from kindergarten until the end of official schooling.

The term "financial education" in schools will be used in these Guidelines to refer to the teaching of financial knowledge, understanding, skills, behaviours, attitudes and values which will enable students to make savvy and effective financial decisions in their daily life and when they become adults. Financial literacy (or capability)<sup>3</sup> will be used to refer to the outcomes of the educational programmes.

The Guidelines seek to provide an overarching framework and general guidance to introduce financial education in schools. Together with the guidance on learning framework provided in Annex, they are meant to be used along with the case study report and learning framework document which provide more detailed and practical solutions.

This stream work has provided very robust inputs for the current work on the financial literacy international option for the Programme for International Students Assessment (PISA) 2012 exercise. In particular the development of the framework<sup>4</sup> for the assessment has largely drawn from this exercise. In addition, the experts involved in the development of the INFE documents are expected to contribute to future steps in the PISA Financial literacy exercise assessment and to provide guidance for the analysis of the results.

See Compilation of responses on financial education and comparative tables including responses from 37 countries or jurisdictions (document available on the secured area of the INFE at <a href="www.financial-education.org">www.financial-education.org</a> and to be available on the public website shortly).

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See OECD report (2008) Financial Education Programmes in Schools: Analysis of Selected Current Programmes and Literature and INFE case study report on financial education at school and the comparison of learning framework on financial education (documents available on the secured area of the INFE at <a href="www.financial-education.org">www.financial-education.org</a> for INFE members and to be released publicly shortly).

The two terms are used in different countries to refer to similar learning outcomes.

See <a href="http://www.pisa.oecd.org/dataoecd/8/43/46962580.pdf">http://www.pisa.oecd.org/dataoecd/8/43/46962580.pdf</a>.



#### **Process**

The revised Guidelines and accompanying Guidance have been developed by an INFE dedicated subgroup based on a wide stocktaking exercise among INFE members in 2009/2010 and discussed and approved by the INFE at its 6<sup>th</sup> meeting in Beirut in October 2010.

These revised guidelines and accompanying guidance in Annex have then been:

- reviewed and globally positively received by the OECD Education Policy Committee in November 2010.
- submitted to the OECD Committee on Financial Markets in April 2011 and to the OECD Insurance and Private Pensions Committee in April/May (the two OECD committees in charge of the financial education project).
- approved, pending minor drafting comments, for further public consultation through the
  OECD and INFE website to gather the views of a wider range of possible interested
  stakeholders.

Once finalised through this process and agreed on by the INFE and OECD Committees, the Guidelines and accompanying Guidance in Annex will be transmitted to the OECD Council to be endorsed as an OECD Recommendation or other types of instrument as appropriate.

The Guidelines and accompanying Guidance could then be officially released along with the two complementary background documents developed by the subgroup and the INFE: the case study report and learning frameworks on financial education in schools<sup>5</sup>.

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Both documents are available on the secured INFE area on clearspace accessible at <a href="https://www.financial-education.org">www.financial-education.org</a>.



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## I. DEVELOPING A CONSISTENT AND SUSTAINABLE FRAMEWORK FOR THE INTEGRATION OF FINANCIAL EDUCATION INTO SCHOOL CURRICULA

## A) Financial education in school programmes: An integral part of national coordinated strategies

Financial education should ideally be integrated into the school curriculum as part of a co-ordinated national strategy on financial education, so that every child in a country or jurisdiction is exposed to this subject matter through their school curriculum. The introduction of financial education should be preceded by, and based on, an assessment and analysis of the status and level of financial education provided through existing curricula and the current level of financial literacy of children and young people.

The identification of a public leader or coordinating body at national level should ensure the relevance and long-term sustainability of the programme. This could be a Government Ministry, such as Finance or Education, a financial regulator, or central bank. Whichever coordinating body is chosen, it is essential to secure the involvement and support of the Ministry of Education and of the educational system at national, regional and local levels, preferably from the beginning of the project (see also box 1).

## B) Appropriate, tailored and quantifiable goals

The overarching goals of the introduction of financial education in school curriculum should be set through the nationally coordinated strategy and based on relevant education principles. More detailed objectives and outputs can be established in dedicated learning frameworks<sup>6</sup> on financial education. Such learning frameworks should preferably be endorsed by the public educational authorities.

The content of the learning framework may vary according to national, regional or local circumstances, the identification of particular talents, needs, aspirations and gaps, the structure and requirements of the educational system, and cultural or religious considerations, as well as the approach adopted for the introduction of financial education in schools. In this respect, in some countries, learning frameworks on financial education may need to be developed by regional or local jurisdictions.

Learning frameworks on financial education should ideally encompass knowledge and understanding; skills and behaviours; as well as attitudes and values. These may also encompass entrepreneurial skills. In general, learning frameworks on financial education in schools provide some guidance either to schools and teachers or to local jurisdictions on:

- 1. Learning outcomes
- 2. Topic/content of financial education classes which can include, according to school age/grade:
  - Money and transactions;
  - Planning and managing finances;
  - Risk and rewards;
  - Financial landscape.

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See also in Annex the Guidance on Learning framework on financial education and the comparison of learning framework on financial education in schools available on the secured area of the INFE at <a href="www.financial-education.org">www.financial-education.org</a> and to be released shortly.



- 3. Pedagogical approaches and methods
- 4. Resources:
  - Number of hours per week and/or per year depending on school grade;
  - Time span in the curriculum.
- 5. Assessment and monitoring criteria

## C) Flexible implementation

The introduction of financial education in schools should ideally involve a flexible approach and be adaptable to national, regional or local circumstances.

It is also preferable for financial education to be introduced as a mandatory and statutory component of the national curriculum in order to ensure it is actually taught to all children through their time at school.

The introduction of financial education as a standalone subject or module would in principle ensure that sufficient time and resources were devolved to its teaching. However, considering the constraints on most educational systems, its inclusion in some specific subjects (e.g., mathematics, economics or social sciences, home economics, citizenship, literature and history) or as a horizontal subject integrated in a wider range of classes can also be potentially effective.

Indeed, the inclusion of financial education through a cross-curricular approach may overcome the crowdedness of curricula, and allow for the development of more diverse and potentially innovative and engaging ways to link financial literacy to more familiar topics for teachers and students. If this approach is used, it will be important to develop mechanisms to monitor the actual teaching of financial literacy. It will also be important to identify, within the dedicated learning framework on financial education, specific links with other subjects and to provide teachers in the relevant classes with case studies and examples.

Financial education in schools should start as early as possible (ideally from kindergarten and primary schools) and last at least until the end of the official curriculum and, to the extent possible, the end of high school. The learning framework will have to be adapted to age/grade with the objective of developing sound financial competencies throughout students' time at school.



#### Box 1. Educational system' involvement and support

The involvement of the educational system and of the Ministry of Education for the inclusion of financial education in schools should be encouraged and promoted by interested policy stakeholders (which may be other members of the government and/or public financial regulatory and supervisory bodies and/or Central Banks) in various ways.

First, depending on national circumstances, these stakeholders should, to the extent possible, try to take advantage of "teachable moments' when the population and the educational system may be more easily convinced of the importance of financial skills and knowledge for individuals' well-being. The aftermath of the financial crisis has established, albeit in an unfortunate manner, the conditions for the emergence of such awareness in the population in many jurisdictions and throughout national/regional/local educational systems. The recent period clearly stands as a unique opportunity to develop long-term programmes and partnerships in this field.

Another method is to develop evidence of need, through the development of baseline surveys on the level of financial literacy and skills of youth in order to bring to the attention of the public and educationalists the gaps and needs of young generations in this critical field. The development of international indicators and benchmarks on financial literacy (including through the inclusion of financial literacy assessment in the OECD Programme for International Students Assessment - PISA<sup>7</sup>) will also represent a compelling tool.

Considering the lack of resources, time and possibly expertise of educational systems (which are usually relatively unfamiliar with financial issues as a learning topic), interested public stakeholders may wish to consider directly supporting the development of the financial education curriculum in schools. In this respect, they can seek to provide appropriate solutions to identified constraints of the system and help establishing long-term and flexible roadmap and objectives. For instance, public financial authorities could:

- promote the introduction of financial education in the curriculum through a graduated approach: for instance, they
  could first suggest integrating the subject as a voluntary one, and then, where feasible, as a mandatory horizontal
  topic in other courses. This approach may be effective where the introduction of financial education as a standalone
  and/or mandatory subject is expected to foster stiff resistance and lead to delays in its implementation;
- assist in the development of a financial education learning framework, taking into account the requirements of the educational system;
- support the development and provision of materials to teachers as well as dedicated training; and/or,
- develop concrete partnerships with the Ministry of Education or the educational system possibly through Memoranda of Understanding in order to ensure the actual involvement of key educational stakeholders as well as establish clear responsibilities, goals, outputs and timescales.

The development of internationally recognised guidelines and OECD/INFE recommendations could also provide a powerful argument for policy actions in this area.

## D) Suitability and sustainability of resources

Appropriate, commensurate and long-term financial and in-kind resources should be identified to ensure the sustainability and credibility of the development and implementation of a learning framework on financial education in schools. Such resources can come from public or private sources as long as suitable mechanisms are in place to ensure the objectivity and quality of programmes (see also box 2). In this respect, private funding or in-kind involvement can be sought to secure sufficient financial support and to benefit from the financial expertise of private stakeholders.

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See http://www.pisa.oecd.org/dataoecd/8/43/46962580.pdf



## Box 2. Managing possible conflicts of interest relating to private financing and involvement in financial education in schools

Several means can be considered and established to monitor private funding and manage possible conflicts of interest with the commercial activities of financial institutions involved in financial education in schools:

- Public authorities or independent not-for-profit institutions (such as self regulatory bodies) can channel and monitor the use of private funding;
- Private funding can be combined with public money;
- In-kind private resources (such as the provision of materials, the development and organisation of training or the
  intervention of private volunteers in the classroom) should, as far as possible, be the subject of certification
  (quality marks) or accreditation by public authorities or an independent not-for-profit organisation;
- Rules and standards can be developed to ensure the objectivity of private initiatives in a school context (e.g., avoidance of the use of logo and brands); and,
- Any direct intervention of private volunteers in the classroom should be conducted under the close oversight of teachers and/or the educational system's management at large.

## E) Monitoring of progress and impact

Methods and criteria to evaluate progress and impact of financial education programmes in schools should be planned and established at the outset of the programme. These should preferably involve the monitoring of each stage of the programme's implementation and the measurement of short-term outcomes and long-term impacts in order to improve its efficiency and the accountability of involved stakeholders overtime.

In order to ensure the relevance and efficiency of programmes, pilot exercises involving the introduction of financial education in a smaller number of schools or at regional/local level can be considered before spreading the experience on a broader scale.

Various monitoring and evaluation processes can also be put in place including:

- 1. Monitoring of programmes' implementation and continuous assessment:
  - Monitoring/evaluation of the actual teaching of financial education in schools (through oversight mechanisms at local regional and/or national level and case studies);
  - Evaluation of the relevance and impact of programmes, learning framework, related material, and teacher training on financial education Such evaluation can be based on the collection of feedback from relevant stakeholders in the process (e.g., teachers, educational systems management, school leaders, trainers, students, parents and the community); and,
  - Evaluation of students' competencies in financial literacy throughout the curriculum via appropriate assessment tasks in the classroom on a regular basis, formal examinations or through ad hoc national contests.

### 2. Impact evaluation in the longer term:

Inclusion of financial education in examinations at the end of the official school curriculum;



- Establishment of baseline surveys on the level of financial literacy and skills of students (covering assessment of financial knowledge, understanding, skills, behaviour, attitudes and values), to set a benchmark and establish gaps and needs. These surveys should ideally be repeated at regular time intervals (e.g. 3/5 years) to measure progress over time; and,
- Use of available international survey results on the level of financial literacy of students such as the PISA exercises starting in 2012, and the participation in such exercises.

#### II. ENSURING A SUITABLE INVOLVEMENT OF IMPORTANT KEY STAKEHOLDERS

The introduction of financial education in schools requires the commitment and involvement of a potentially vast range of stakeholders from diverse horizons: government, financial regulatory bodies, central banks, educational systems, teachers, parents and the community, students as well as private financial institutions and other possible experts from non-for-profit associations, local networks and international organisations.

The role of each stakeholder and extent of involvement will vary depending on national circumstances, educational systems and culture. However, the definition of each stakeholder's responsibility and accountability in the process should preferably be established at the outset of the project. Key and central functions should be fulfilled by the central coordinating body (usually the Government), with the support of the educational system, teachers, parents and the community as well as students.

## A) Government, Public authorities and Educational System: A leading and coordinating role

The Government, public authorities (such as financial regulatory and/or supervisory authorities and Central Banks) and the Ministry of Education have a leading role to play in:

- assessing needs and gaps;
- mapping existing initiatives and evaluating them;
- raising awareness on the importance of financial education in schools;
- defining the educational framework and standards for financial education;
- leading and providing guidance on the introduction of financial education in schools and best practice models;
- framing the overall structure of the programme: setting responsibilities, monitoring the process and evaluating intermediary and final results; and,
- coordinating the actions of other stakeholders and overseeing the implementation phase.

The educational system, its key local stakeholders and management at various levels, including school level, should be closely involved. Appropriate mechanisms should be in place to make sure they are directly engaged in the promotion of the successful inclusion of financial education in schools, and in the elaboration and identification of the best and most efficient ways and tools to meet this goal, including the development of relevant pedagogic methods.



## B) Teachers and school staff; Parents and the Community; Students: A pivotal role

Owing to their pedagogic expertise and close relation to students, teachers should be at the centre of the introduction of financial education in schools. Particular efforts should be made to involve teachers at all stages of the process, convince them of the importance of financial literacy for students and themselves, as well as to provide them with the necessary resources and training so that they feel confident teaching financial literacy in classes.

If external experts and volunteers are engaged in the class room, teachers should preferably also be involved in, and monitor their work.

Parents and the local community should also be closely engaged, possibly through dedicated programmes and initiatives.

Incentives and signals should in particular be designed to ensure that parents and the community, as well as students, are aware of the importance of financial education for individuals' financial and general well-being and successful interaction with, and inclusion in, society and economic life (see also section III).

School leaders, such as school principals and executive staff, can also play an instrumental role in efficiently promoting financial education amongst teachers, students and their parents, relatives and the wider community.

## C) Other private, civil and international stakeholders

Other stakeholders such as the business/financial sector, expert consultants and not-for-profit institutions can also play a role in financial education in schools.

In many countries, financial institutions directly, or through national associations, are involved in the introduction of financial education in schools. For instance, they can provide in-kind expertise or financial support for the development of materials, training for teachers or volunteers to interact with students in the classroom. However, this involvement should be clearly separated from their commercial activities and closely monitored and managed to prevent any possible conflict of interest (see box 2).

Consulting firms or not-for-profit institutions with special expertise in the area may also be involved for example in the development of school materials (building on the learning framework) or in training for teachers.

International organisations such as the OECD and its INFE also have a role in providing international guidance and (in-kind) support and tools to the efficient development of financial education in schools.

## D) Top down and bottom up approach

The involvement of all interested stakeholders, especially those in the educational system, should preferably be secured through a bottom up and top down approach. In this respect, the development of memoranda of understanding between concerned partners may be considered to facilitate the smooth and efficient implementation of the programme, and to ensure clear accountabilities.



#### III. DESIGNING AND PROMOTING EFFICIENT MEANS AND METHODS

Adequate supporting tools and means should be identified, devised and made available to key stakeholders in the educational system to facilitate the efficient introduction of financial education in schools.

## A) Appropriate information and training of teachers and other school staff

Appropriate training should be made available to ensure that teachers and other relevant school staff (such as school leaders) are adequately equipped and feel confident and competent in building students' financial competencies.

Such training should be put in place for all teachers who may be in a position to deal with financial education in the classroom either as a standalone subject or through other topics (e.g., mathematics, economic, social sciences, home economics, literature, citizenship, etc). It should take place as part of the initial teacher training/education (that is, a pre-service course before entering the classroom as a fully responsible teacher), and carried on regularly as part of teachers' continuous professional development.

The main goals of this training should encompass:

- raising teachers' awareness on the importance of financial education in lifelong learning;
- providing them with pedagogical methods to use available teaching resources; and,
- developing their own financial literacy.

Such training should be provided by qualified staff following predefined guidance. Trainers for teachers should in particular possess a sound knowledge of the educational system, the requirements of the financial education learning framework, and of efficient pedagogic tools and resources on financial education.

## B) Availability and provision of high quality objective and effective tools

Availability of, and easy access to, quality, objective and efficient material and pedagogical methods should be secured and actively promoted with a view to offer teachers the best resources on financial education.

In order to do so, it may be necessary, in some countries, for government or relevant public bodies to:

- map and assess the quality of available materials and resources such as books, brochures, guides, on-line tools, case studies, games, surveys and pedagogic methods; and,
- select most relevant tools and material to be provided to teachers and schools.

In some others, it may be necessary to develop such resources from scratch.

In both cases, criteria and principles for the identification and development of suitable tools should be established (see box 3). Financial education resources made available in a country should then be ranked by a governmental or independent body according to these criteria. Such a body should



preferably introduce a special quality mark or accreditation acknowledging resources matching these criteria.

The appropriate resources should then be made easily accessible to schools and teachers possibly, through a single trusted source or through relevant public authorities (e.g., government, financial regulators; well-known and public or independent website; educational system; local network, etc).

A single source (or maybe sources) can act as a clearing house on financial education materials available for the classroom. A central source should thus be well organised, and contain clear signposting in order to allow an easy identification of materials and tools according to age, grade, contents and learning outcomes to be achieved.

A central source should also be actively promoted to teachers so that they are aware of the existence of this support and know how to access it.

#### Box 3. Criteria for identification and development of suitable resources on financial education

With a view to efficiently embedding financial education in schools, related resources and pedagogical methods should encompass the following characteristics:

- be in line with the requirements of the national/regional/local learning framework on financial education, and with any national curriculum guidelines of the country;
- be adapted to students according to their age, talents, needs, aspirations and background; be culturally and gender inclusive and evolved following the school curriculum;
- be relevant for students, taking into account their interests and potential access/use of financial products;
- emphasise the benefits of financial literacy for students' future well being;
- be objective and marketing free (e.g., avoiding the use of financial firms' logos and promotion of particular financial products);
- be of high-quality, diversified, engaging and attractive for students, using real world contexts, case studies, inquiry/activity-based learning and problem solving approaches or community-based activities directly involving students (e.g., through simulation, games and interaction with the concrete world);
- make use of the benefits of cross curricular approaches (e.g., taking advantage of the possibility to include financial education in diverse subjects);
- involve the monitoring of progress and the quantification of impact on students throughout the curriculum and at its end (examination); and,
- be trialed to evaluate their relevance and efficiency with teachers, parents and the community as well as students.

## C) Promotion of appropriate incentives

In order to encourage deeper involvement and motivation of teachers and students in financial education programmes, appropriate incentives can be put in place, such as:

- 1. Recognising achievements through:
  - Regular examination of students in order to monitor progress;
  - Organisation of special school, local, regional or national contests with the granting of awards and prizes.



## 2. Making financial matters more visible and attractive through:

- Organisation of special events on financial education (e.g. 'money' or 'saving' days/weeks with the participation of well-known community stakeholders;
- Designing teachers' training on financial education so that they perceive it as a component of their personal development and as a way to improve their own financial well-being; and,
- Similarly, focusing the teaching of financial literacy in schools on the (immediate) positive outcomes for students, their parents and the community.

## D) Exchange and promotion of international good practices and guidelines

The development of international recognised guidelines and practices and strengthening of policy dialogue and cooperation on the exchange of best practices may also be instrumental to the efficient and successful introduction and implementation of financial education in schools. Such guidelines can help policymakers and involved stakeholders in designing and successfully implementing their own strategy on financial education in schools building on, and tapping into, relevant previous experiences and internationally recognised efficient practices.

#### **ANNEX**

## DRAFT GUIDANCE ON LEARNING FRAMEWORKS ON FINANCIAL EDUCATION

#### Introduction

The following Guidance has been developed by the INFE Expert Subgroup on Financial Education in Schools to provide more detailed guidance to policymakers or interested stakeholders who wish to develop a financial education learning framework in their country or jurisdiction. This document should be considered as complementary to the Guidelines on Financial Education in Schools contained in the first half of this document.

This Guidance is based on the Comparative Analysis of available Financial Education Learning Frameworks<sup>8</sup>.

The Guidance has been discussed by the subgroup and at the INFE Meeting in Rome in June 2010. Oral and written comments received from members until mid July have been incorporated in this revised version which has been approved by the INFE and the dedicated subgroup at its 6th meeting in Beirut in October 2010.

As a complement to the Guidelines on Financial Education in Schools, this Guidance document is following the same consultative process than the Guidelines (see above).

## **Definition**

A definition of the overall result for financial education programmes is the first main component of related learning frameworks. In most cases, depending on countries' culture, this is referred to as either financial capability or financial literacy, but basically involves a similar content.

Such definition<sup>10</sup> encompasses the competencies that students need to develop in order to make effective and responsible financial decisions in their daily life and when they become adults. Competencies cover financial knowledge, understanding, skills, attitudes and behaviours and the ability to use these effectively.

The definition may focus solely on the personal use and management of money and the impacts of financial decisions on the lives of individuals or it may include a broader perspective that takes account of the interaction between personal financial decision-making and wider society and environment.

Document available on the secured clearspace area for INFE members on <a href="www.financial.education.org">www.financial.education.org</a> and to be released shortly.

For the sake of simplicity, the term "financial literacy" will be used in the rest of the document.

Examples of definitions can be found in the INFE document on learning framework available on the secured clearspace area for INFE members on <a href="https://www.financial.education.org">www.financial.education.org</a>) and to be released shortly.



## Purpose and goals of the framework

#### **Purpose**

Financial education learning framework is defined as a planned and coherent approach to financial education in the formal school sector at the national or other jurisdictional level. A financial education learning framework should operate at a meta-level, providing overall learning outcomes or standards for financial education. The framework can then be implemented at the jurisdictional, school or classroom level in the way that is most appropriate for the local context.

The framework should begin by explaining the purpose of the framework itself, including:

- Who developed the framework and the development process;
- When the framework was developed;
- The overall aims of the framework;
- How the framework supports the achievement of national or jurisdictional curriculum objectives;
- Whether the framework has been endorsed and, if so, by whom.

Providing the framework on a web-based platform enables easy access and distribution and for links to be made to relevant supporting information such as teaching resources, assessment tools and relevant curricular materials.

#### Goals

The overall goals and objectives of the framework should be reflected in a more detailed description of the dimensions of financial literacy. These may include a description of the specific outcomes that students are expected to develop and that will be covered by the financial education programme. The following dimensions can be considered and included:

- Knowledge and understanding;
- Skills and competencies;
- Behaviours;
- Attitudes and values;
- Enterprise.

The descriptions of each of these dimensions should reflect the focus on personal and/or collective aspects to be consistent with the definition of financial literacy in the framework.

These descriptions are important in developing teachers' understanding of financial literacy.



## Learning outcomes/standards

The framework should provide a description of the desired learning outcomes. These should be related to each of the dimensions of financial literacy.

Outcomes may be statements of the overall outcomes for each of the dimensions or they may be shown as a learning progression across years or curriculum levels. The latter shows the way that the specific dimensions of financial literacy are progressively developed as students move through their schooling career.

## Approach to inclusion of financial education in the curriculum

The framework should describe the overall approach to the inclusion of financial education in the curriculum. This will be consistent with the overall approach to the national or jurisdictional curriculum.

In countries where national curriculum objectives are outlined but schools have considerable discretion as to how these are implemented at the local level, financial education will not easily be introduced as a compulsory component. The framework may describe how financial education supports the achievement of national curriculum objectives and provide guidance as to how financial education can be integrated into existing subjects or a cross-curricular approach taken. In a cross-curricular approach, financial education is recommended as an engaging and authentic context in which other curricular objectives can be achieved alongside financial education objectives.

In countries where a more centralised approach is taken, financial education may be mandatory. There is a range of ways for this to occur including as a stand-alone subject; as an explicit module or component of one or more subjects; or integrated into relevant subjects at the school or teachers' discretion. If an integrated approach is used it is important to provide specific links between the financial education learning outcomes and the learning outcomes for specific subjects.

The financial education learning outcomes should be linked to over-arching national curriculum objectives, as well as to the learning outcomes for specific subjects.

The framework should describe the year levels or curriculum levels in which financial education should be taught. This may be across the compulsory school sector or it may focus on the levels where it aligns most closely with the curriculum objectives at that level, for example, senior secondary school.

## **Content and length of courses**

The framework generally provides a list of suggested topics. These should not solely be based on developing knowledge and understanding but should also enable students to explore and develop values, attitudes, skills and behaviours.

Where financial education is mandatory or explicitly included as a stand-alone subject or as a module of a subject, the length of the course should preferably be explicitly stated. In other cases, the amount of teaching time given to financial education is not stated.

The framework generally describes the recommended or suggested content for financial education. These should be related to the overall outcomes described in the definition, and the dimensions of financial education set out in the learning framework.



The framework generally provides a list of topics, themes or issues that can be included in the financial education programme. These may be linked to specific subject areas or they may be presented in a way that they can be incorporated in a range of subject areas. Topics that are most commonly included in financial education learning frameworks are:

- money and transaction;
- planning and managing finances (including saving and spending; credit and debt; financial decision-making);
- risk and rewards;
- financial landscape (including consumer rights and responsibilities and understanding of the wider financial, economic and social system).

The topics should be relevant to the concerns of students at specific year levels, but at the same time recognise that financial education needs to prepare students for adult life.

## Resources and pedagogical tools

The framework can also provide guidance about the teaching methods that are most effective in developing financial literacy. These may include a description of the overall recommended approach such as using real-world, relevant examples, or inquiry-based learning. Teaching methods should not be solely focussed on developing knowledge but they should provide engaging contexts in which students can develop skills, attitudes and behaviours. Opportunities for students to practice their skills and develop behaviours in authentic and engaging contexts should be recommended and examples provided. Interactive and experiential learning opportunities are recommended.

As well as classroom-based learning, suggestions for learning outside of the classroom such as through extra-curricular activities can be provided. Consideration should also be given to ways to involve the wider school community as well as the local community outside school in financial education.

The framework can provide case studies of the ways that school and teachers have effectively taught financial education.

The framework should also preferably provide recommended teaching and learning resources and guidance about selecting effective resources. Guidance should be provided about quality assurance indicators and ways to avoid materials that are biased or contain marketing information.

Professional development for teachers and administrators can be provided by the relevant authority in support of the financial education framework and to develop teachers' capability to teach financial education. In some cases the private sector or not-for-profit organisations may offer professional development, teaching and learning materials and/or volunteers who may be available to visit classrooms. Guidance should be given in the framework about ways to avoid conflicts of interest and to ensure that suitably qualified and, in some cases, approved providers are selected by schools.



## Assessment of students' learning in financial education

The framework should provide guidance about appropriate methods for assessing financial education learning outcomes. This should be consistent with approaches to assessment in other areas of learning and for the year level of the student. It is recommended that assessment of skills is included as well as assessment of knowledge and understanding. Assessment involving students in problem-solving and real-world contexts are recommended so they have the opportunity to demonstrate their competencies. Examples of assessment activities may be provided.

Examination of students' achievement should be considered whenever possible. If so, the examination process and criteria need to be outlined in the framework. This includes information on the levels at which students will be examined and whether there will be a stand-alone examination for financial education or whether it will be included in the examination of the relevant subjects. In some cases formal recognition of student achievement in financial education can be provided by certificates, qualifications or credentials.

## Monitoring and evaluation

Monitoring of the framework can occur at the local school level or at the national or jurisdictional level.

At the school level the framework can provide guidance to administrators and teachers to support their planning and implementation of the financial education framework. This includes ways to monitor the outcomes of the financial education programme and the extent to which it is being progressively and consistently implemented across the school at the appropriate levels. This is of particular importance where financial education is not mandated and where schools and teachers are given discretion about how they incorporate financial education outcomes into their teaching programmes. In countries or jurisdictions where external agencies review schools it may be appropriate to include review of financial education provision and outcomes in relation to the financial education framework.

At the national or jurisdictional level, the implementation and outcomes of the financial education framework should be evaluated. This may be an independent evaluation that can be used to inform the development and implementation of the framework. An evaluation will provide evidence of the effectiveness of the framework in achieving the desired outcomes in terms of increasing financial literacy.