

A Place to Discover

A Manual of Good Practice based on the collaboration between science museums and schools

A product of SMEC project: "School-Museum cooperation for the improvement of teaching and learning of science"

SMEC is a three-year project funded by the Socrates programme of the European Union. Five science museums and three teacher training institutions from six European countries participated to the project and worked for the development of teaching materials and in-service training courses. This publication presents the results of the collaboration between the partners and primary schools in each country in a format that invites the use of the materials by other schools or museums for their own work in science.

Schools

We would like to thank all the teachers and the pupils in Belgium, France, Germany, Hungary, Italy and Spain, who worked with our team for the devising and realisation of this project. Without them, our experience and contribution would certainly be poorer.

Belgium

The *Museum van de Speelkaart (MSK)* and the *Katholieke Hogeschool Kempen*, Departement Lerarenopleiding Heilig Graf, Turnhout, collaborated with:

- *Sint-Pietersinstituut, Jubileumlaan;*
- *Basisschool Heilig Graf, Nijverheidsstraat.*

France

The *IUFM de Lorraine*, Maxeville, and the *Musée du Cinéma et de la Photographie*, Saint Nicolas de Port, collaborated with:

- *School of Lenoncourt;*
- *School of Sorneville;*
- *Ecole d'Application d'Essey.*

The *IUFM de Lorraine*, Maxeville and the *Musée de l'Histoire du Fer*, Jarville la Malgrange, collaborated with:

- *School of Lenoncourt;*
- *School of Sorneville;*
- *School Claude Gellée of Jarville.*

Germany

The *Deutsches Museum*, München, collaborated with:

- *Grundschule an der Gilmstr;*
- *Grundschule an der Grafinger;*
- *Grundschule an der Berg-am-Laim-Str.*

Spain

The *National Natural Sciences Museum*, Madrid, collaborated with:

- *The Public School "Ramiro de Maeztu";*
- *The Public School "Luis de Góngora";*
- *The Intermediate Italian School.*

Hungary

Hungarian Natural History Museum, Budapest, collaborated with:

- *Bárdos Lajos;*
- *Herman Ottó;*
- *Németh László;*
- *Kőrösi Csoma Sándor;*
- *Molnár Ferenc.*

Italy

The *National Museum of Science and Technology Leonardo da Vinci*, and the *IRRE Lombardia – Istituto Regionale di Ricerca Educativa*, Milan, collaborated with:

- *Duca degli Abruzzi;*
- *Rinnovata-Pizzigoni;*
- *Direzione Didattica Statale;*
- *Amal-Tikwa.*

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The manual is divided into two parts: the paper version in English and the CD in English, Flemish, French, Italian, German, Hungarian, Spanish. The language in which each of the documents is available can be identified by the final letters in the title of each file (*be*: Flemish, *de*: German, *en*: English, *es*: Spanish, *fr*: French, *hu*: Hungarian, *it*: Italian).

The paper version contains three general chapters: the introduction to the manual, a chapter on museum learning and one on the relationship between school and museum (*01_introduction_en*, *02_learning in schools and museums_en*, *03_practical aspects of museum visit_en*). In addition, it contains a short version of the chapters describing the work of the SMEC museums in collaboration with schools in each country (*04_BELGIUM_printing history and technology_en*, *05_FRANCE_photography and cinema_en*, *06_FRANCE_reconstruction of celtic chariot_en*, *07_GERMANY_ships energy and propulsion_en*, *08_GERMANY_airplanes physics and technology_en*, *09_HUNGARY_flying in nature plants and animals_en*, *10_ITALY_transport and movement transformation_en*, *11_SPAIN_body movement_en*).

The CD contains 8 folders. Folder *01_paper version_en* contains the electronic version of all documents included in the manual in hard copy. Folder *02_general chapters_all languages* contains the translation of the three general chapters (*01_introduction_en*, *02_learning in schools and museums_en*, *03_practical aspects of museum visit_en*) in seven languages (*be*: Flemish, *de*: German, *en*: English, *es*: Spanish, *fr*: French, *hu*: Hungarian, *it*: Italian). Folders *03_belgium*, *04_france*, *05_germany*, *06_hungary*, *07_italy*, *08_spain* contain the projects developed by each institution with the schools in each country, and the materials used to develop the activities (working sheets, games, interviews, etc.).

The different documents can be found in the cd according to the following structure:

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