



# Knowledge Enterprise, LLC.

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## PROFILE

### OVERVIEW

**Knowledge Enterprise LLC** is a private highly specialized consulting firm with a worldwide network of experts, associates and partners. It was established in 1998 and is based in the Washington Metropolitan area (USA).

**Knowledge Enterprise** provides advice and assistance to countries, development organizations, and institutions in the following areas:

- Strategic planning, program design, and innovative solutions for the different levels and areas of education.
- Integration of technologies into educational and learning systems to enhance educational goals and improve efficiency and effectiveness, with special emphasis on science and mathematics education.
- Review and synthesis of international research and experiences and latest developments in technologies and their potential for education – and translation of these findings into better methodologies and solutions to advance education and learning, and into tools and instruments that enhance planning and program design.

**Knowledge Enterprise** believes that educational development programs and innovations, to be effective and sustainable, should not be imported or transplanted. They should be the product of local analysis, design, planning and implementation. **Knowledge Enterprise**, therefore, gives top priority to local capacity building through training, institutional development, pathways to international knowledge and experience, and technical support. It considers itself successful when it is not needed anymore.

### WHO WE ARE

The founder and president of **Knowledge Enterprise** is Dr. Wadi D. Haddad. He is a leading educator and scientist with wide experience and expertise in educational development, strategic planning and analysis, and educational technologies. He also has had a distinguished career in public policy, international economic and social development, and high-level management.

Before founding Knowledge Enterprise in 1998, Dr Haddad spent 17 years at the World Bank and served as Director and Deputy Corporate Secretary, Senior Manager in the education sector and Senior Advisor for human development. He also drafted World Bank education policies, supervised the formulation and implementation of education development projects in countries worldwide, and led the conceptualization and launching of the “Education for All” movement. He also acted as Special Representative (ambassador) of the World Bank to the United Nations System.

Outside the World Bank, Dr Haddad held the following professional positions and assignments:

- Special adviser to the Director General of UNESCO
- Member of the International Scientific Advisory Board of UNESCO

- Commissioner of the Global Infrastructure Information Commission - comprised largely of CEOs of major global companies from around the world
- Chief Advisor to the President of Lebanon for National Policy Affairs
- Founder and first President of the Lebanese Center for Educational Research and Development – at the cabinet level - responsible for educational planning, research, curriculum development, production of instructional materials and teacher preparation and training
- Founder and first director of the Science and Mathematics Education Center for Research and Development at the American University of Beirut

Dr. Haddad holds a Ph.D. in Physics and Education from the University of Wisconsin, and an M.A and a B.Sc. from the American University of Beirut. He is the author of over 20 books and monographs and more than 30 articles in the fields of science education, public policy, international development, and technologies for learning.

**Knowledge Enterprise** operates as a “virtual” firm. To stay most up-to-date and at the cutting edge, **Knowledge Enterprise** draws on a worldwide network of experts, associates and partners to offer clients the best professional advice and support, and enters into partnerships with development organizations and institutions.

## WHAT WE DO

### Strategic Education Development

Knowledge Enterprise provides advice and assistance in:

- Formation of high-quality human and institutional capacity for policy analysis, planning, governance, management and implementation.
- Strategic planning for education, including educational structure and curriculum content, to cope with the global, national, and local challenges.
- Design of imaginative, innovative and sustainable systems of education and learning

### Technologies for Education and Learning

Knowledge Enterprise provides advice and assistance with:

- Reorientation of education structure and practice to allow the best use of technologies
- Design of educational programs that incorporate information and communication technologies (ICTs) to meet any or all of the following objectives:
  - Expanding of educational opportunities
  - Increasing efficiency
  - Enhancing quality of learning
  - Enriching quality of teaching
  - Facilitating Skill Formulation
  - Sustaining Lifelong Learning
  - Improving policy planning and management
  - Advancing Community Linkages
- Identification and application of appropriate technologies
- Design and development of ICT-enhanced content
- Design of programs of professional development of educators to implement projects involving learning technologies
- Design of monitoring and evaluation schemes
- Application of the ICT-in-Education Toolkit ([www.ictinedtoolkit](http://www.ictinedtoolkit)), including training and assistance in using the Toolkit for program formulation, planning, and evaluation.

**Knowledge Enterprise** has special expertise and experience in the use of ICTs for science and mathematics education.

## Capacity Building

Knowledge Enterprise provides advice and assistance in:

- Training of decision makers and planners in strategic planning, program design, risk analysis, implementation strategies and techniques, and monitoring and evaluation.
- Institutional organization that best facilitates planning, consultation, feedback, program maintenance, and efficient and effective management.
- Making available analytical resources and tools developed by Knowledge Enterprise and providing the necessary training for their application.
- Technical support

## Analytical Resources and Tools

Knowledge Enterprise provides:

- Review and synthesis of international research and experiences and latest developments in technologies and their potential for education – and translation of these findings into sourcebooks, reference materials and publications.
- Development and production of interactive analytical, diagnostic and planning tools and instruments.
- Development of derivatives of the ICT-in-Education Toolkit ([www.ictinedtoolkit](http://www.ictinedtoolkit)) to fit the needs of countries, institutions, and development agencies.

## PORTFOLIO HIGHLIGHTS

### Advice and Assistance

► **Provided advice, assistance, and training to high-level decision makers, planners and specialists in Ministries of Education of the following countries:** Argentina, Brazil, Columbia, Peru, and Venezuela

► **Provided advice and assistance to public and private institutions in:** Jordan, Kuwait, and Lebanon

► **Carried out assignments with:**

- Academy for Educational Development
- Gulf Cooperation Council
- Inter-American Development Bank
- United Nations Educational, Scientific and Cultural Organization (UNESCO)
  - Bangkok Office
  - Education Sector – Paris Headquarters
  - Office of the Director-General - Paris Headquarters
  - Science Sector - Paris Headquarters
- World Bank
  - Africa Regional Office
  - infoDev
  - Education Department

### Analytical Research and Policy Work

**Knowledge Enterprise** has been deeply involved in analyzing and synthesizing research, policy and practice in the area of integration of ICTs for education. Below are the major products:

► **TechKnowLogia**

**TechknowLogia** ([www.techknowlogia.org](http://www.techknowlogia.org)) is an international online journal of technologies for the advancement of knowledge and learning. The Journal was published from 1999 to 2003 and had about 20,000 individual and institutional subscribers. A full archive is available online.

► **Technologies for Education: Potential, Parameters and Prospects** (2002)

Prepared by Knowledge Enterprise, edited by Wadi D. Haddad and Alexandra Draxler, and published by UNESCO, Paris & Academy for Educational Development, Washington, D.C. (Available online: [http://www.ictinedtoolkit.org/usere/library\\_detail.php?content\\_id=3](http://www.ictinedtoolkit.org/usere/library_detail.php?content_id=3) )

## ICT- in-Education Policy-Making and Planning

► **Developed an ICT-in-Education Toolkit** ([www.ictinedtoolkit](http://www.ictinedtoolkit)) that provides education policy makers, planners and practitioners with a set of tools to assist them in the process of harnessing the potential of ICTs to meet educational goals and targets efficiently and effectively.

The Toolkit contains six toolboxes - containing a total of 19 tools - that cover the following areas:

- Mapping the present situation in terms of national goals, educational context, ICTs in education, and the dynamics of change
- Identification of educational areas for ICT intervention and formulation of corresponding ICT-in-education policies
- Planning for implementation of infrastructure, hardware, contentware, and personnel training
- Planning for ICT-enhanced content
- Consolidating implementation plans and their financial and managerial implications into one master plan
- Assessment of implementation, effectiveness and impact of ICT interventions and subsequent adjustments and follow-up actions

The Toolkit was developed in partnership with UNESCO, World Bank (infoDev) and AED. [Sonjara](#) provided software development. To date, the Toolkit is used in more than 25 countries.

► **Conducted training workshops for the use of the ICT-in-Education Toolkit** for policy makers and planners in: South Pacific Islands, Pakistan, Philippines, and Thailand

► **Developed materials for and conducted seminars** on strategic planning for integration of technologies into education for:

- Ministers of Education in the Arab States
- Ministers of Education in the South Pacific Islands
- Project officers at the World Bank
- Policy makers in Argentina

## Design and Production of Multimedia Instructional Materials

Designed and supervised a multi-country project in Latin America, the **International Virtual Education Network (IVEN) for the Enhancement of Science and Mathematics Learning**. The project was financed by the Inter-American Development Bank and executed by Knowledge Enterprise. It was launched in 1999 and is presently being implemented. The backbone of the project is the development of online multimedia modules for the whole science and math program for the last two years of secondary schools by local multidisciplinary teams trained by Knowledge Enterprise. It involved: the setting of learning standards, translation of standards into teaching/learning activities, production and testing of multimedia curricular materials, staff training, development of an online distribution system, application of modules in pilot schools, learning achievement assessment, and program evaluation.