NANOWARE

PREPARING THE NANOTECHNOLOGY EXPERTS OF THE FUTURE

In our daily life, most of the modern technological applications that we use originate from the progress achieved in Nanotechnology. For this reason, teaching nanotechnology and getting students' attention to nanotechnology have become more important than before. Nowadays teachers are preparing students for the future by teaching nanotechnology.

Throughout this teaching process, they need accurate, complete, and reliable teaching materials. One of the important results of the **NANOWARE** Project is **preparation of the Educators' Guide**, and the **Lesson Plans** which are covering theory and assessment content of various nanotechnology topics organized as different modules.

These modules are listed as the following:

WHAT IS NANOTECHNOLOGY?

Within **Module 1**, the basic principles and differences in Macro, Micro, and Nano technology and the basics about the history and evolution of nanotechnology are explained.

•NANOMATERIALS

Within **Module 2,** the basic typology of nanomaterials and the differences among them, and how nanomaterials are used in practice are explained.

•NANOPARTICLES

Within **Module 3**, how to identify nanoparticles, describing their properties and uses, understanding on the importance of best practices in using nanoparticles are explained.

HOW DO WE SEE NANOPARTICLES?

Within **Module 4**, visualization and analysis methods for nanoparticles, describing different methods and their operational principles are explained.

NANOTECHNOLOGY IN OUR LIVES

Within **Module 5**, the applications of nanotechnology in everyday life objects that everyone uses are explained.

APPLICATIONS OF NANOTECHNOLOGY

Within **Module 6**, various nanotechnology applications and the vast potential of this kind of technology in numerous different fields are explained.

NANOWARE Project team consists of different partners from different European countries and this provides a good opportunity for global collaboration. It is possible to see the result of the colors of this cultural collaboration on the NANOWARE Project's various outputs.