NANOWARE

Co-funded by the European Union

Project Number: 2021-2-PL01-KA220-SCH-000051200

Expert Lexicon & Resource Bank

Nanoscience, nanotechnology, digital learning, Minecraft World are topics which might contain terms that are hard to understand or even complex definitions science teachers and educators might be unfamiliar with. The aim of this form is to have a compact list of key words and concepts commonly used in such topics together with a simplified explanation or definition. This will allow the target groups to properly understand all the relevant concepts and thus realize the true potential of teaching nanotechnology in class.

Introduction

What?	This template is an online repository for e-resources, e-tools and good practices to support the NST concepts, values and competences in each partner country and in the EU level. The repository will be part of the Educational Pack and will be accessible by all users at any given time.
Why?	The elements of sustainability, maintenance, accessibility and transferability are embedded in this repository. The project promotes the creation of a glossary and a repository to support the learning experience. Free access will be provided to all users. Therefore, all products and tools developed will be available and usable by all teachers that want to implement the Educational Pack in class.
What's next?	All partners can start recording details of all resources and tools they are using throughout the curriculum development. This template should be thus populated on a regular basis.

Tool Bank

No.	Resource Name	Short Description	Keywords	Type of resource	Category	Language	Link
1	Intro to Nano	This is an introductory video to nanotechnology and its importance in everyday life. It is part of an open-access educational site.	Educational resources for public audiences	Video	STEAM subject	English	https://www.nisenet.org/whatisnano
2	Introduction: What is Nanotechnology?	A video serving as an introductory course to nanotechnology created by Duke University-SMIF.	Simpllified university lesson	YouTube video	STEAM subject	English	https://www.youtube.com/watch?v=j_wQgy97Pi4
3	Nanotechnology is not simply about making things smaller | Noushin Nasiri | TEDxMacquarieUniversity	A TED talk to initiate viewers to nanotechnology combining humor and science.	TED talk	YouTube video	STEAM subject	English	https://www.youtube.com/watch?v=M8d3pxVb4c4
4	Exploring Natural Nanomaterials	A video about naturally occurring nanomaterials and the role of nanoscience in Earth's natural processes.	A series of nanotechnology-related educational episodes.	YouTube video	STEAM subject	English	https://www.youtube.com/watch?v=aJCA0yGRrCI
5	The Mighty Power of Nanomaterials: Crash Course Engineering #23	A video about the special properties of nanomaterials and how these can be utilised in various scientifc and technological fields.	Educational videos	YouTube video	STEAM subject	English	https://www.youtube.com/watch?v=IkYimZBzguw
6	'Smart Bandage' detects, could prevent infections	An article about how an URI chemical engineering professor embeds nanosensors in microfibers to create 'smart bandage'	University of Rhode Island News	Online article	STEAM subject	English	https://www.uri.edu/news/2021/01/smart-bandage-detects-could-prevent-infections/