

The Process of Developing a Curriculum in Cyber Informatics (Poster)

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תהליך פיתוח תכנית לימודים במידענות סייבר (פוסטר)

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Abstract

Computers and information occupy an increasingly growing place in our life. Hence, syllabus designers worldwide concur that basic knowledge and understanding of the technological aspect of the Internet technology and its uses, information on the Internet and social media as well as information security are an inseparable part of the education which should be inculcated among learners. The present paper aims to describe the process of developing a new syllabus for the "Digital Information Search and Find" pathway. This is an action research. The present paper presents the theoretical sources and practical tools which entailed the development of the syllabus. The new "Digital Information Search and Find" syllabus is oriented at the pathway high school teachers who teach five study units (advanced level) of the leading subject "Digital Information Search and Find" and additional five study units in the "Information and Knowledge on the Internet" project. The first part of the syllabus presents its principles: the background for writing a new syllabus, fundamental principles that guided the syllabus writers. The second part specifies the foundations that organize the syllabus, its central ideas and concepts, universal and unique values which the teaching aims to nurture. The third part illustrates the ideological perception of the syllabus and the theoretical models in which the

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syllabus is grounded. Moreover, the key competences and skills that students should acquire as well as preferred teaching methods are described.

Keywords: syllabus, 21st century competences, informatics, cyber, computers, STEM.

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