

TECHNOLOGY INTEGRATION IN DESIGNING UbD-BASED MATHEMATICS LEARNING PLAN

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ACTIVITY 1



1. With your group members, reflect on your answers to this question: Are students today different from what we were then? If yes, **WHAT CHANGES DID YOU NOTICE IN TODAY'S LEARNERS?**
2. Write your answers on metacards. Observe one idea, one card principle. Limit your answers to 1 or 2 lines only. Write legibly.
3. Post your metacards.

Digital Natives, Digital Immigrants

(Marc Prensky, 2001)

Growing Up Digital: The Rise of the Net Generation
(Don Tapscott, 2001)

- ❖ Digital Natives are restless
 - ❖ They have new behaviors and capabilities

HOW WILL YOU TEACH ME IN THE 21ST CENTURY?



ACTIVITY 2



1. With your group members, reflect on your typical Mathematics class. What skills do your students develop through your learning plans?
2. Write your answers on your metacards.
3. Post your metacards.

❖ Are core subject area skills enough for your students to succeed in the 21st Century?

❖ What skills do your students need in order to succeed in the 21st Century?

21ST Century Skills



21St Century Themes



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Information, Media and Technology Skills

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Life and Career Skills

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Learning and Innovation Skills

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A daunting challenge for today's teachers...

- ❖ how to equip students with the skills to succeed in the 21st century.

TEACHING IN THE 21ST CENTURY



Key to 21st Century Learning



Project-Based Learning



Project-Based Learning



Project-based units



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Key to 21st Century Learning



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Keys to 21st Century Learning





UNDERSTANDING BY DESIGN

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Sample Mathematics Learning Plan

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Technology Tools



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Online Resources



Online Resources



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Online Learning Platform

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“If we teach today as we taught yesterday, we rob our children of tomorrow.”

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