



GT and 21st Century Skills

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PART ONE:
Basics of
21st Century Skills.

WHOLE GROUP DISCUSSION:

- Intelligence has long been measured by literacy skills.
- What were the 3 basic literacy skills of the 20th Century? **The 3 R's.**



20th Century Learning

English,
Reading,
Lang. Arts

World
Languages

Geography

History

Arts



Science

20th Century Subjects

Mathematics

Government
& Civics

Economics

**What were the 9 basic subjects
taught in 20th Century?**

Partnership for 21st Century Skills.

- Education and learning have changed significantly in the last 20 years.
- What are some of the major events that have caused these changes?



21st Century Learning

Learning in the Past	Learning in the Future
Slow, controlled release of information	Quickly retrieved information
Singular process/singular task	Parallel multi-processing tasks
Linear, logical, sequential	Processing of pictures, graphs, video, then text
Work independently first, then network	"Networking" simultaneously
"Just in case" learning	"Just in time" learning
Deferred gratification/reward	Instant gratification/reward
Teaching to curriculum guide and/or tests	Teaching for relevance, usefulness, fun



- What are the words/phrases that can be associated with 21st Century Learning.

Brainstorming

Digital Natives: Individuals who have spent their whole lives surrounded by digital technology and are fluent in using most or all types of technology available.

Digital Immigrants: Individuals who were not introduced to digital technology in their childhood who are learning how to navigate current digital technology options available today.

Using Digital Technology

Technology is considered disruptive when it profoundly changes the way we do something. It often makes older technology obsolete.

Let's take a look at the music business in the last 50 years...



What is DISRUPTIVE TECHNOLOGY?



21st Century Skills

Partnership for 21st Century Skills.

English,
Reading,
Lang. Arts

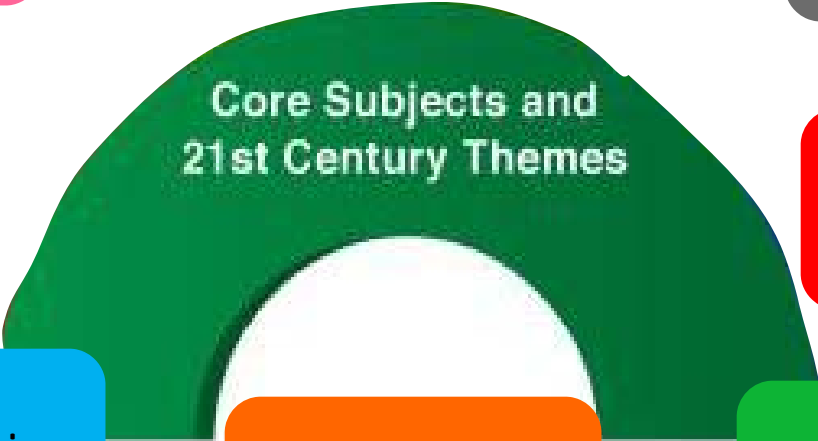
World
Languages

Geography

History

These look familiar.

Arts



Science

Mathematics

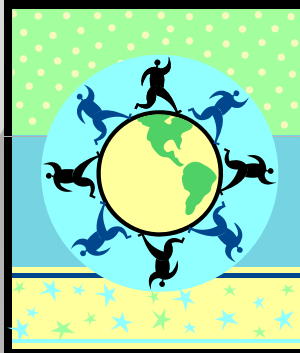
Government
& Civics

Economics

Same subjects... not same content.

Financial, Economic,
Business &
Entrepreneurial Literacy

Environmental
Literacy



Global Awareness

Health Literacy

Civic Literacy

Reading,
Lang. Arts

World
Lang.

Arts

Math

Econ.

Science

Geography

History

Gov't.

Civics

Use Themes to Teach Subjects

Adapted from Partnership for 21st Century Skills.

COGNITIVE EMPATHY

knowing what others might be feeling and thinking



EMOTIONAL EMPATHY

intuitively sensing what others are feeling and thinking



COMPASSIONATE EMPATHY


providing and understanding of others' circumstances and
feeling inclined to help



GLOBAL EMPATHY

the ability to perceive and appreciate personal and cultural
differences across humankind

Global Awareness & Empathy



PART TWO:
Applying it to Gifted
Education.

- High quality curriculum and resources
- Embedded creative and critical thinking
- Problem-solving training
- Research skills
- Problem-based learning
- Early foreign language experiences
- Authentic work and products

**What are the connections to
21st Century Skills?**

Traditional GT Programming

Learning & Innovation Skills

Creativity and Innovation

Critical Thinking and Problem Solving

Communication and Collaboration

AISD GT Scope & Sequence



Communication



Creative Thinking



Research



Critical Thinking

How are they alike?

History/Background:

- Interdisciplinary
- Framework for differentiated curriculum for advanced learners (K-12)
- Introduced in 2001
- Revised 2010 (3rd revision)

Updated and Aligned to:

- Revised TEKS
- GT mandates from TEA
- GT standards from SBEC
- Texas Performance Standards Project from TEA
- Learning and Innovation Skills (21st Century Skills)
- AISD GT Performance Semester Reports (K-5)

AISD GT Scope & Sequence



Communication



Creative Thinking



Research



Critical Thinking

AISD GT Scope & Sequence

- Extend, enrich, advance the curriculum for advanced learners through:
 - Higher Level Questioning
 - Depth & Complexity of Learning
 - Scholarliness- Thinking Like an Expert
 - 21st Century Skills
 - AISD GT Scope & Sequence

GT Differentiated Instruction