Engaging STEAM Units That Connect Disciplines and Personalize Learning!

Formative Learning Practices That Ensure Improved Student Achievement!

Problem/Solution-Based Learning That Stimulates Critical Thinking!

Collaborative CURRICULUM *Design*

A CUSTOMIZED CURRICULUM MODEL

CLOSING THE ACHIEVEMENT GAP, ENGAGING ALL STUDENTS DEEPLY IN LEARNING, AND IMPROVING EXECUTIVE FUNCTION

As a world, we have entered a new era where global change is occurring exponentially. With the advent of today's cyber-physical systems (the integration of computation, networking, and physical processes), entirely new capabilities for people and machines are occurring so rapidly that it is nearly impossible to keep up.

As the world is changing, so must our system of educating our children. Our students are no longer served well by the old model of a classroom where the teacher is the sole repository and administrator of knowledge following a school curriculum that concentrates primarily on the content found in a textbook.

There is great demand on today's educators to transform teaching, leading, and learning so that schools are more dynamic, authentic, responsive, and personalized in order to effectively prepare students to meet the challenges and choices they will face in the future.

Future-focused learning emphasized in **Collaborative Curriculum Design (CCD)** supports educators as activators of learning and students as leaders of their own learning. In addition, through the CCD Units of Study, students also develop the following future-focused skills and qualities:

- ▸ **Thinking Dynamically –** Curiosity, creativity, innovation, initiative, and critical thinking;
- ▸ **Knowing Oneself –** Metacognition, mindfulness, brain awareness, and growth mindset;
- ▸ **Caring About Others –** Cultural awareness and empathy for others;
- ▸ **Engaging With Others –** Collaboration, social skills, and emotional intelligence.

TEACHERS AS ACTIVATORS OF LEARNING AND STUDENTS AS LEADERS OF THEIR OWN LEARNING

Collaborative Curriculum Design personalizes learning through **multidisciplinary, problem/ solution-based** units of study that embrace f**ormative learning** and emphasize **research-based teaching practices.**

One pivotal aspect of the CCD model is **customization.** Teachers in a school district **collaboratively create** each dynamic unit with the students from their community in mind. It is this process of teachers working together combined with the future-focused CCD design that makes this model so powerful.

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PERSONALIZING LEARNING THROUGH COLLABORATIVE CURRICULUM DESIGN

CCD PERSONALIZES LEARNING BY GIVING STUDENTS A VOICE AND CHOICE IN WHAT, HOW, AND WHEN THEY LEARN.

The CCD model is comprised of units of study that flow into one another through carefully planned learning progressions that guide learners to higher levels of rigor and innovation. Each unit of study anchors on interdisciplinary standards and contains multiple formative assessments. The units follow a series of logical sequences that build deep understanding about a specific topic or problem:

- ▸ **Sequence One** engages students as they build foundational knowledge about a problem/topic.
- ▸ **Sequence Two** requires students to independently and collaboratively deepen their understanding of the problem/topic through research, higher-level thinking, and application.
- ▸ **Sequence Three** challenges students to build on learning from previous sequences to determine a solution to a current, real-world problem.
- ▸ **The Learning Showcase** provides students an opportunity to present their problem and solution to an authentic audience.
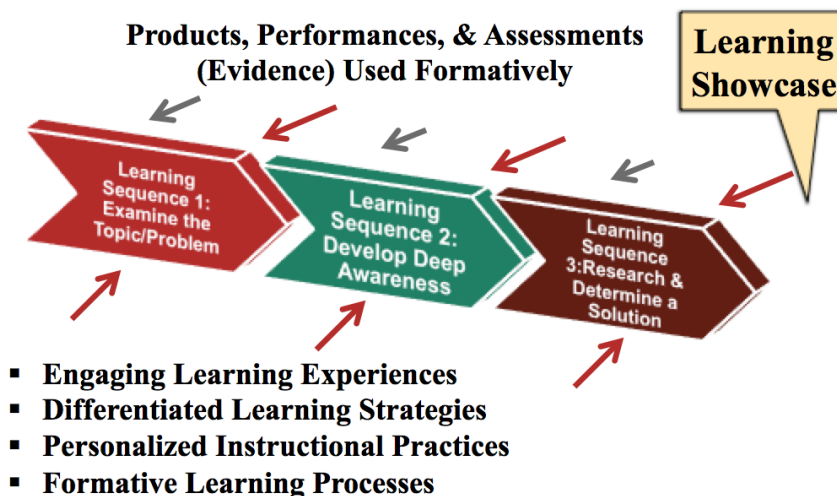
- ▸ **Engage in authentic, real-world learning**
- ▸ **Explore cross-cultural perspectives**
- ▸ **Design innovative solutions to a problem**
- ▸ **Showcase learning for an authentic audience**

FUTURE-FOCUSED LEARNING

KAMM SOLUTIONS
Educators • Researchers • Presenters

Multidisciplinary, Problem/Solution-Based Units of Study

ANCHORED on STANDARDS

Products, Performances, & Assessments (Evidence) Used Formatively

Learning Showcase

Learning Sequence 1: Examine the Topic/Problem → Learning Sequence 2: Develop Deep Awareness → Learning Sequence 3: Research & Determine a Solution

- ▪ **Engaging Learning Experiences**
- ▪ **Differentiated Learning Strategies**
- ▪ **Personalized Instructional Practices**
- ▪ **Formative Learning Processes**