Concept Construxions®

a patented system

If they build it, they will learn.

Wondering How to Activate Critical Thinking?

Concept Construxions categorizes concepts, principles and descriptors into an overarching structure of colors and shapes. This creates visual pattern recognition, thus helping people new to a field or discipline learn to communicate more effectively. By connecting concepts within and across disciplines, learners build the background knowledge we need to function effectively in a given field. Ultimately, they become part of that field.

Need to Engage a Diversity of Learners?

Sometimes the most powerful systems are the simplest to use and to understand. Sometimes they are also intuitive and flexible across many contexts. Concept Construxions is truly unique in its ability to offer an expandable and coherent system that simultaneously supports mainstream, differentiated, remedial, tutorial, gifted & talented, language acquisition, alternative, adjudicated, community-based, youth, adult and multi-age learning programs. In this way, learners enjoy a seamless experience as they move from setting to setting in the same year, or from year to year.

Difficulty Integrating Deep Content and Rich Literacy?

Concept Construxion honors the content of each discipline. No other system supports research-based reading, writing, speaking and listening practices for secondary, university and adult learners as authentically. As teachers and learners request, we will expand the number of fields and disciplines covered. Regions, national ministries and corporations can customize the system for their own terminology, language and culture.

Persuasive

DNA

Ratio

www.teachersforlearners.com

Concept Construxions®

If they build it, they will learn.

> "I have been teaching middle school science for 9 years, and Concept Construxions is one of the most powerful tools I have ever used in the classroom. It allows you to tell in a moment just how well students have understood the concepts you have taught."
>
> 8th Grade Science Teacher, New York City (Read more testimonials here)

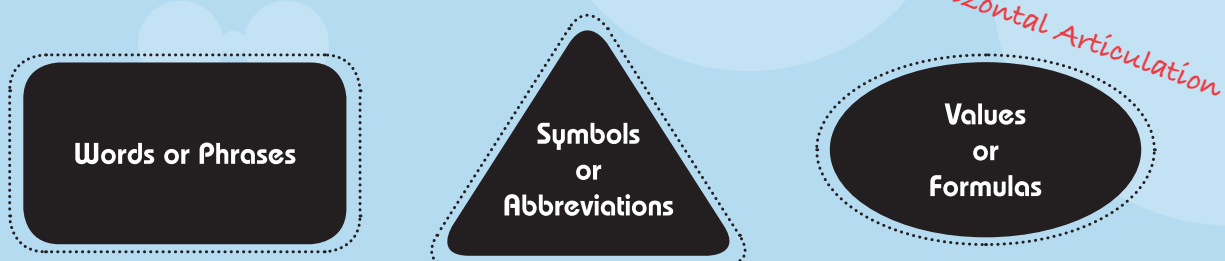# Deepen Conceptual Understanding Through Active Engagement

Many organizations and guidelines (i.e., IB, AP, Common Core, ISTE, Next Generation Science Standards, etc.) have called for a shift toward student-centered classrooms with multiple entry points and a focus on critical thinking. Not so many have actually provided concrete means toward that end, but we have!

Concept Construxions:

- **Creates a vertical and horizontal articulation, or "instructional infrastructure"**— Effective in a single classroom, yet expanded implementation adds strategic layers of infrastructure that survive teacher and administrator attrition and replacement, thereby creating a truly robust solution for students—who largely remain in the school or region during formative years.

- **Facilitates the social construction of knowledge**—Real academic discourse promotes collaborative critical thinking; academics push each other to revise and consider alternative models and perspectives. When they use Concept Construxions, learners tangibly "give" and "get" concepts from others as they discuss, question, summarize and predict (reciprocal teaching, anyone?). This exchange helps them understand why idea sharing is essential for learning and progress.

- **Serves a variety of learners simultaneously**—Short and extended learning experiences that combine visual, auditory, oral and kinesthetic modes make it easy for learners with different readiness levels to participate in the same activity. Further, students do not feel as though they are being quizzed when using the system. They are more relaxed and find it easier to take risks and revise their own or other students' work.

What is our vision for Concept Construxions? Through its transparent, intuitive, multi-lingual and flexible design, more learners will participate in critical technical and academic conversations in earlier stages of knowledge development. Instead of being reserved for elite circles of privileged cultures, essential jargon and terminology will be shared by more peoples and cultures so that all may contribute their valuable perspectives, questions, ideas and innovations to the technical and academic domains.

Cross-Curricular Shapes

Horizontal Articulation

Words or Phrases

Symbols or Abbreviations

Values or Formulas

> "Teachers know what they have to do...they don't need another book...they need an actual resource to actively engage students in the classroom."
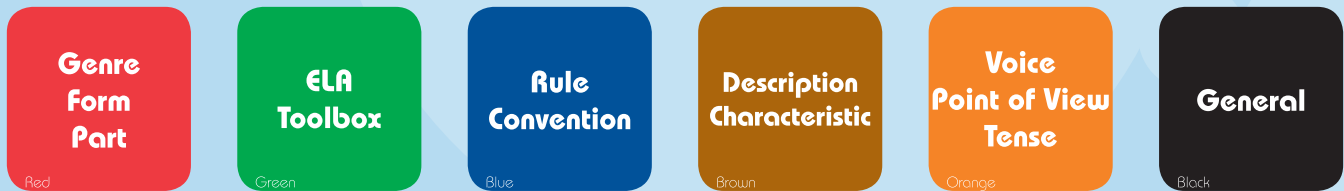>
> Administrator, Fairfax County, VA

Many products are aligned to specific grade levels, textbooks or assessments. However, Concept Construxions is designed to focus on key concepts in each field/discipline. **A concept-based approach allows the same** Subject Set **to be utilized at a variety of ages and levels.** For example, Concept Cards such as "Equation" or "Line" are used by a large span of math students, even into the university levels. As the math problems become more difficult, students must learn to think and discuss "Equation" and "Line" in new ways. The stable yet flexible nature of a concept-based approach helps students build schema and apply knowledge over multiple contexts and multiple years. **To customize, use the blank cards that are provided** (and don't worry about losing one, either!).

Formative assessment has never been easier. Without paper, clickers or Scantron™ machines, teachers and learners get immediate feedback on what is clearly understood and what is not. Students easily share multiple ways to explain, solve and visually represent their critical thinking. Teachers utilize this evidence of understanding to give meaningful feedback and to adapt instruction.

We have evidence that this approach works: there are currently ~2500 trained instructors of Grade 4 (ages 8-9) through High School remediation (ages 19-20), across 15 US states and the Commonwealth of the Bahamas, including 800+ users in New York City. These teachers represent a diversity of standards, curricula, textbooks, student demographics, technology integration, standardized tests and teacher accountability structures. **Teachers and learners are using the same subject sets with facility and success**.
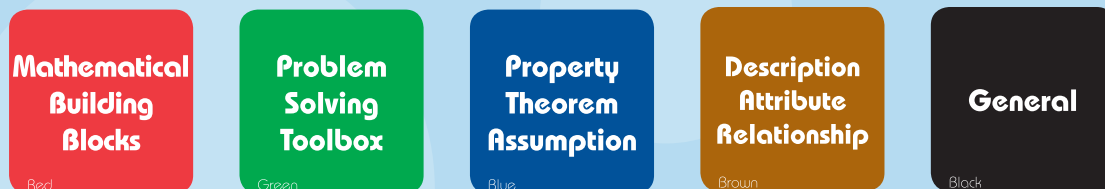
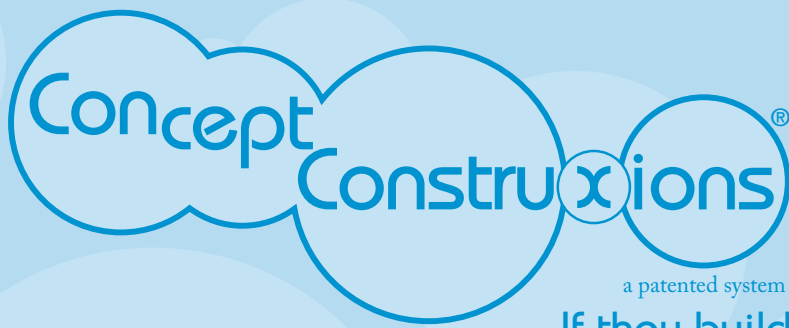*Tier II Words*

English/Language Arts

Genre Form Part (Red)	ELA Toolbox (Green)	Rule Convention (Blue)	Description Characteristic (Brown)	Voice Point of View Tense (Orange)	General (Black)

Mathematics

Domain-specific Words

Mathematical Building Blocks (Red)	Problem Solving Toolbox (Green)	Property Theorem Assumption (Blue)	Description Attribute Relationship (Brown)	General (Black)

Science

Form Structure Body (Red)	Process Reaction (Green)	Principle Theory Law (Blue)	Description Characteristic Position (Brown)	Force Energy (Orange)	General (Black)

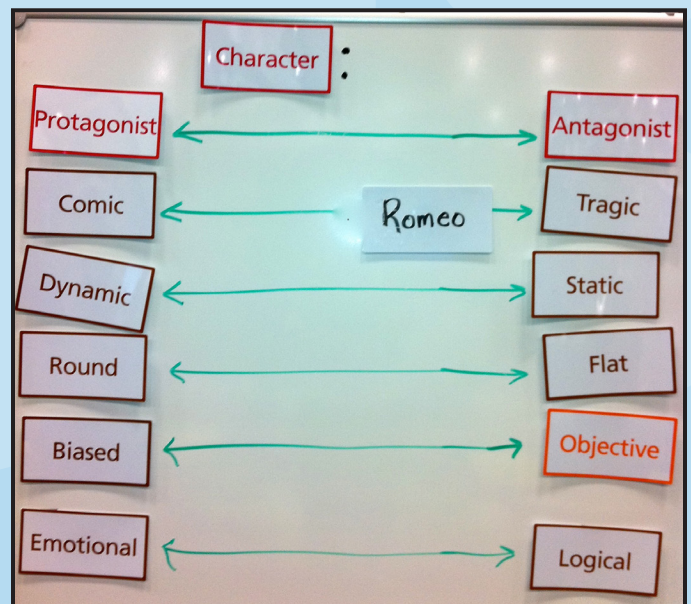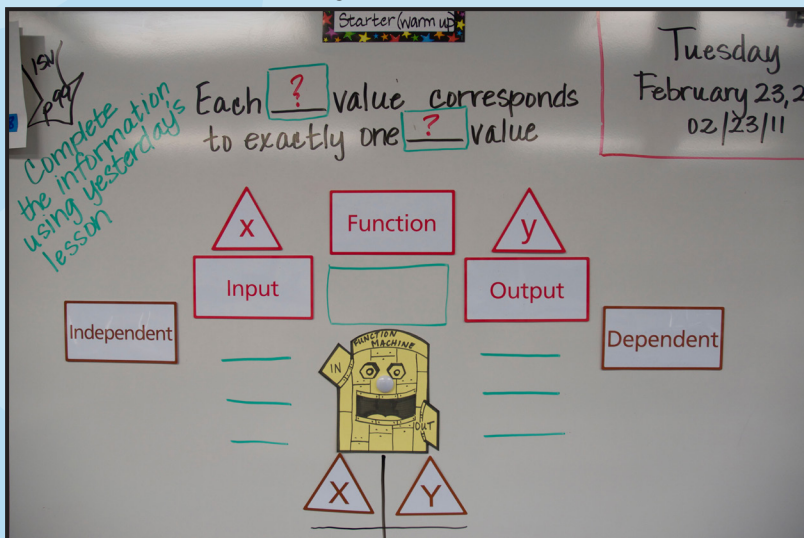# Concept Construxions ®

If they build it, they will learn.

Concept Construxions is a modular system. We designed it this way to meet the needs of a wide array of educators in a wide array of facilities. To gain insights and recommendations to save you money, click here to download an ordering tutorial.

If your organization is in the USA—click here to download the current order form. Act fast—prices will increase soon! Purchase orders and major credit cards are accepted, but no online ordering system exists at present.

If your organization is outside the USA—email us at info@teachersforlearners.com and we will help you promptly. English language versions are available for use in overseas schools. Make sure to let us know where you are located!

Partner with us to Implement in Your Language—Email us or stop by our conference table for details about both hands-on and technology-based applications.!

MYP students make visual relationships among Tier II words with specific meanings in mathematical contexts. Facility with contextual connotation is an essential college and career readiness skill.

Used as a reading and pre-writing strategy, this character continuum is built over the course of studying a text that focuses on character development. Resulting essays are rich and critical, demonstrating an appreciation of writer's craft.

www.teachersforlearners.com