



Learning systems are the structures and processes used to provide **curriculum**, **assessment**, **instructional pacing**, and **student learning outcomes**. Ensuring that every student masters key knowledge, skills, and dispositions for success requires a system that supports and tracks each student's learning progression. Students (1) co-design learning opportunities and map their progress toward mastery and credentials based on competency, (2) use multiple, anytime/anywhere pathways to demonstrate progress and mastery, and (3) demonstrate progress through complex challenges (Council of Chief State School Officers, 2013).

While the following terms are often used interchangeably in educational resources, the definitions below are aligned to kid·FRIENDLy work.

Term	What It Is and What It Means	Resources
Competency- Based System	A system based upon knowledge, skills attitudes, and behaviors necessary to live and work successfully in a global society. Each student has • a personalized learning map, indicating how and when the student will demonstrate mastery • choice • support for anywhere, anytime learning	 Silicon Valley Flex Academy, http://svflex.k12.com/ Innovations Early College High School, Salt Lake City, Utah http://innovations.slcschools.org/ iPrep Academy, Miami, https://sites.google.com/site/iprepacademy/
Standard- Based System	A system based upon content and process standards defined by national, state, and/or local policy .	 Monroe County Indiana Public Schools http://www.mccsc.edu/ Colorado Department of Education, Standards Based Learning Cycle http://www.cde.state.co.us/sites/defau lt/files/Standards- Based%20Teaching%20%20Learning%2 OCycle.pdf
Performance -Based System	A system based upon descriptors and assessments requiring students to demonstrate the application of knowledge . Assessments measure the student's ability to integrate knowledge and skills across multiple standards.	 Lindsay Unified School District, Lindsay, CA http://www.lindsay.k12.ca.us/District
Mastery Learning System	A system where students must master the learning objectives before moving on to the next set of learning. The system is based on two assumptions: (1) all students can learn all important academic content to a level of excellence and (2) the primary function of schools is to define learning objectives and help all students to achieve them. Assessments are criterion-referenced and used to guide instruction (adapted from Dolan, Ford, Newton, Kellan, 1989).	http://www.education.com/print/mast ery-learning/

Term	What It Is and What It Means	Resources
Learning	A learning objective describes what learners will	http://flippedclassroom.com/mastery.php
Objective	know, do, or feel. They also include who (student),	• www2.nau.edu/d-
•	how (action verb), and what (content).	elearn/support/tutorials/pedagogy/01learn
		ingexpectations.php
Competency	A competency includes explicit , measurable ,	Example of Competency Standard
	transferable learning objectives that empower	Identify an issue, generate a question, and
	students (Patrick, 2013).	explain the significance of locally, regionally, or globally focused
		researchable questions
		(www.edsteps.org).
Standard	A standard includes a concise, written description of	Example of ELA Standard
Standard	what students are expected to know and be able to	 Write arguments to support claims with
	do at a specific stage of their education (e.g., end of	clear reasons and relevant evidence.
	course, unit, or grade level, etc.).	 Introduce claim(s), acknowledge and
	course, unit, or grade level, etc.,	distinguish the claim(s) from alternate
		or opposing claims, and organize the
		reasons and evidence logically.
		 Support claim(s) with logical reasoning
		and relevant evidence, using accurate,
		credible sources and demonstrating an
		understanding of the topic or text.
		 Use words, phrases, and clauses to
		create cohesion and clarify the
		relationships among claim(s), counter
		claims, reasons, and evidence.
		 Establish and maintain a formal style.
		Provide a concluding statement or
		section that follows from and supports
		the argument presented
		(Kentucky Core Academic Standard ELA
		Grade 8).
Performance	A performance standard defines what a student	Example of Performance Standard
Standard	must know and/or be able to do (content standard)	 Imagine your school district is going to
	to attain a certain level, such as passing a test or	make a decision about continuing to
	scoring proficient on a measurement scale.	fund sports programs in schools. You
		have a chance to write an argument
		essay that will be read by the mayor,
		printed in the paper, or presented to
		the head of the school board. Your
		letter should state a position or claim
		by taking a clear side, backed up with
		research, and refute the other side.
		Thinking about all you've learned about
		this issue argue whether, overall, sports
		are more helpful or harmful for young
		people. Use what you know about
		argument essay writing to structure
		your writing(The Reading and Writing
		Project Grade 8 Common Core
	<u> </u>	Assessment, 2012).
		R A C E

References

- Council of Chief State School Officers. (2013). Knowledge, skills, and dispositions: The innovation lab network state framework for college, career, and citizenship readiness, and implications for state policy. Retrieved from http://www.ccsso.org/Documents/ILN%20Knowledge%20Skills%20and%20Dispositions%20CCR%20Framework %20February%202013.pdf
- Dolan, L., Ford, C., Newton, V., & Kellam, S.G. (1989). The mastery learning manual. Unpublished manual.
- Kentucky Core Academic Standards. (2012). Retrieved August 3, 2014, from http://education.ky.gov/curriculum/docs/Documents/KCAS%20-%20June%202013.pdf
- Patrick, Susan. (2013). *The Role of Federal Leadership in Transitioning to Competency-based Education* Systems.

 Retrieved from http://www.aypf.org/wp-content/uploads/2013/03/Chris-and-Susan-Presentation.pdf
- Teachers College Reading and Writing Project. (2010). *Grade 8: Nonfiction reading and research-based argument essay*writing. Retrieved August 3, 2014, from http://readingandwritingproject.com/public/themes/rwproject

 /resources/assessments/performance/2011-2012/8th%20Grade%20Performance%20Assessments/Archived%20

 Assessments//8th_Grade_Performance_Assessment_-_Teacher_and_Student_Guidelines.pdf

