

At our Session #1 held on August 24th, you were asked to think about what these paradigm shifts are in K-12 education since the introduction and implementation of the NCCSS (National Common Core State Standards) and now the NGSS (Next Generation Science Standards). This first table is a compilation of the ideas shared and discussed by all of you (sticky notes on chart paper).

Paradigm Shifts

From...	To...
Instructional Paradigm	<i>Used to be teacher lecture and now it is student-led; student voice; using mo'olelo and connecting social studies with science; instructional paradigm shift of timing [for projects?] based on open-minded teachers/admin.</i>
The Teacher (Teacher-Centered)	<i>Teacher does NOT have all the answers; student voice and choice; collaboration through cooperation; mistakes are good, more than right answer; students are asking/forming questions; student-centered</i>
Assessment OF Learning <i>(Paper/pencil; data driven)</i>	<i>Online/digital; summative AND formative; HSA → SBA; process vs. end product; levels of understanding, project-based learning; exit passes; boxes/levels of understanding (student self-assess)</i>
Individual Learning	<i>Active; student-led, open-ended; problem solving skills; group learning</i>
Passive Learning	<i>Student led; student voice; high engagement; flexibility; active learning – accountability; project-based learning</i>
What a teacher will teach <i>(No/low technology before)</i>	<i>Started with HCPS III → Common Core; revising SS (social studies) standards; NGSS, new LA standards; low-tech → higher tech; no cursive now (not a standard)</i>
Sage on the Stage	<i>“Guide on the Side”; facilitating instruction; less direct instruction; self-directed students; hands-on, inquiry-based learning; open-ended instruction; more student-centered activities</i>
Projects	<i>Old school research (i.e. using encyclopedia) vs. use of technology; teacher driven vs. student driven; displays vs. content (?) of ideas; big (cookie cutter), sent home, showpiece vs. authentic, at school; student enthusiasm low (old) vs. high (new)</i>
Grade level	<i>(All of the above)</i>

Kaholo posed the question: "What is the difference between projects and project-based?"

- Project: e.g. diorama, basic informational research (use of encyclopedia and other secondary sources)
- Project-based: guided by own desires/interests (Essential Questions)

**Below is the table summarizing the paradigm shifts in K-12 education and what is expected with the newly adopted NGSS.

Paradigm Shifts

From...	To...
Instructional Paradigm	Learning Paradigm
The teacher	The student
Assessment OF learning	Assessment FOR learning
individual	Collaborative
Passive learning	Active learning
What a teacher will teach	What a student will be able to demonstrate
Sage on the Stage	Guide by the Side
Projects	Project-Based
Grade level	Proficiency level