

## Skylark CS10 Core Activities\_Sample for MVWSD

### Notes:

- This list is a sampling of our 4th grade core content activities (1 per subject area).
- Standard and description is listed.
- Activity and description of how it aligns to standard is listed.
- Activity type shows the type of program being created (These activities are a part of what we call the 'Big Five' in writing programs - creation, simulation, visualization, application, gamification).

Grade	Subject	Core Standard	Standard Description	Activity Type	Activity Name	Activity Description
4	Science	NGSS 4-LS1-2 (Biodiversity; LS4.D)	Use a model to describe that animals receive different types of information through their senses, process the information in their brain, and respond to the information in different ways.	Simulation	"Echo Loco"	Simulate being a bat! Click to send out a sonar wave that makes a different sound depending on whether there's something at the current mouse position. When you think you found a moth, press a key to dive and reveal the environment and whether you caught anything.
4	Language Arts	CCSS.ELA-LITERACY.RL.4.7 CCSS.ELA-LITERACY.RL.4.5	- Make connections between the text of a story or drama and a visual or oral presentation of the text, identifying where each version reflects specific descriptions and directions in the text. - Explain major differences between poems, drama, and prose, and refer to structural elements of poems and drama when writing or speaking about a text	Visualization	"The Raven on Stage"	Use the multimedia tools of our coding environment to help Seshat adapt Poe's "The Raven" from a poem to the stage. Discuss the differences in storytelling and communication between different media.
4	Math	CCSS.MATH.CONTENT.4.NF.A.2	Compare two fractions with different numerators and different denominators, e.g., by creating common denominators or numerators, or by comparing to a benchmark fraction such as $\frac{1}{2}$ . Recognize that comparisons are valid only when the two fractions refer to the same whole. Record the results of comparisons with symbols $>$ , $=$ , or $<$ , and justify the conclusions, e.g., by using a visual fraction model.	Application	"Fair Fractions"	Two people are arguing over who is getting more. They each have a different fraction of a total pizza. Find a common denominator to see who got the bigger slice.
4	Social Studies	Global Connections	Global education focuses on the interrelated nature of condition, issues, trends, processes, and events while international education emphasizes specific world regions, problems, and cultures. International education encompasses studies of specific areas or regions of the world as well as the in-depth examination of a single culture or some aspect of that culture, such as its history, language, literature, religion, political organization, economic system, or current issues. It also includes cross-cultural studies that use a comparative approach in the examination of the characteristics of two or more cultures. Multicultural education is a closely related approach that explores the interactions among differing cultures within a political region.	Game	"A Product of Place"	Yukichi tries to match each of the ingredients in his breakfast with the region/culture they came from (ideally in a matching game).