

3rd Grade: **SYSTEMS**

[FIND OVERVIEW of YEAR-LONG THEME HERE](#) and VIDEO [HERE](#)

[LEARN ABOUT SYSTEMS THINKING HERE](#)

Links to lessons and resources highlighted

Activities listed in separate disciplines are integrated into multidisciplinary mini-units with depth and complexity and reference to generalizations and enduring understandings

	1st Semester	2nd Semester
Math and Logic	• Mathemagic and Arithmetricks • Hands-On Equations Level I • Perplexor Logic • Math Perplexors • Balance Benders • Sudoku • One Wasn't Square (selected NRIC prob.) • Collaborative Logic	Carry over 1st Semester activities and as time allows, add: • H.O.E. Extensions Level I • Learn a Card Trick/ Explain the Math • Team Logic • Palindromes (and selected math riddles and pattern problems)
THINKING SKILLS	Depth and Complexity Systems Thinking	→ continued
Literature / Vocabulary	• Punished (if not done in 2nd) • The Search for Delicious (new novel unit) • Etymology • Vocabulary Cartoons • Word Play • Pun and Games • Inflationary Language • "Jabberwocky" Neologisms • Socratic Dialogue (CoRT Thinking / Literature-based / Introductory Skills)	Carry over 1st Semester vocabulary, word play, dialogue, novel study, etc. • Tuck Everlasting • The Phantom Tollbooth or selected novel study (begun in the fall) • Independent Research (for Zoom book project) Read about it HERE.

	● Informative Writing (selected projects)	
Science Social Studies	● <u>Electric Circuits</u> ● <u>Human Body Systems</u> ● <u>Study of the BRAIN</u> ● History of Numbers and Language ● Intro. - Systems Thinking in Government, Education ● International Systems ● Inventions Through Time through literature	● Architectural Design ● Bridges, Domes, Tunnels ● Teach Engineering: Selected activities <u>Biodomes</u>, <u>Ecosystems</u> ● Systems in Meteorology (if time allows) ● <u>Alien Animal Taxonomy</u> (animal classification) → → ongoing
STEM / Projects / Technology	● <u>Electric Quizboards</u> ● Brain Stations (Experiments / Models) ● Coding (cont.) ● Technology Projects (e.g. Google Slide game)	● <u>Building Big</u> ● Bridges ● <u>Geodesic Dome</u> ● <u>TPSP Bridges Unit</u> ● <u>ZOOM Book Project and Presentation</u> ● Technology Projects → → ongoing