

CS in ELA

Quick Integration Ideas



Using Computer Science in ELA helps students analyze, create, and communicate ideas in new ways. They use digital tools, coding, and interactive media to explore language, structure their thinking, and express themselves creatively.

ELEMENTARY [K-5]

INTEGRATION IDEAS



Sequencing & Story Structure

Students use sequencing to understand story order, plot, and narrative flow.
Example: Retell a story using a coded sequence in Scratch Jr., create digital storyboards or flowcharts mappy out the plot of a story



Algorithms for Writing Processes

Students write step-by-step instructions for writing or revising texts.
Example: Algorithms for paragraph writing, or step-by-step rules for pluralizing nouns



Digital Storytelling & Interactive Narratives

Students create animated or interactive versions of stories using coding or digital tools.
Example: Animate a character retelling a story in Scratch Jr. or build a choose your own adventure version of a novel

MIDDLE [6-8]

INTEGRATION IDEAS



Debugging in Editing, Revising & Text Analysis

Debug an essay with faulty reasoning, weak evidence, or poor grammar.



Loops in Poetry, Rhetoric & Structure

Analyze the effect of repeated phrases in speeches or poems.
Use loops in code to generate refrains or patterned verse.



Data Literacy & Text Analysis

Analyze word frequencies to understand theme or tone.
Track character interactions across a novel to reveal patterns.

QUICK TIPS

- First, look for natural connections between your content and CS skills.
- Focus on thinking, not just technology.
- Start small! Try one integrated computer science activity per science unit.