

# MODEL FOR INQUIRY-BASED DISCIPLINARY LITERACY



LITERARY CRITIC



SCIENTIST



HISTORIAN



MATHEMATICIAN

Ask a Compelling Question

Gather & Analyze Sources

Read, write, speak, listen like a literary critic, historian, scientist, & mathematician

Communicate Products

Share, Publish & Act

Critically Evaluate & Revise

Creatively Synthesize Claims & Evidences

- Read sources, e.g., novels, poems, short stories, essays.
- Differentiate speaker from author point of view.
- Deconstruct literacy & rhetorical devices, e.g., irony, symbolism, voice & style.
- Read original research sources, e.g., lab reports, scientific journal articles, graphs.
- Determine author's credentials & authority within the field.
- Understand phenomena, technical terms, essential characteristics, & abstract concepts.
- Read relevant information from historical sources, e.g., letters, photographs, maps.
- Analyze sources focusing on subject, author, purpose, & audience; determine author's bias.
- Contextualize sources to determine when, where, & why sources were created.
- Read advanced textbooks & authentic texts involving symbolic notations, graphic representations, illustrations.
- Analyze logic of argument; place less emphasis on authorship.
- Understand precise meaning in terminology & concepts.

- Organize by theme.
- Interpret through critical lens, e.g., feminist, historical, Marxist.
- Construct personal, intertextual & global connections.
- Construct claims for literary critique w/ textual evidence & close examination of language.
- Organize topically, e.g., physical, life, earth.
- Interpret data & analyze relationships of variables, e.g., cause & effect, patterns, systems, functions.
- Construct models & explanations to support scientific hypothesis or design solutions.
- Organize geographically or chronologically.
- Corroborate by comparing evidence from sources to develop & strengthen claims.
- Construct arguments about the past integrating evidence from multiple sources.
- Organize by escalating logic.
- Interpret among sentences, symbolic notations, & graphics.
- Construct viable arguments using abstract & quantitative reasoning.
- Aim for convergence on solution.

- Determine if claims are supported w/ adequate textual evidence & elaboration.
- Revise for coherence, style & voice.
- Represent response in multiple formats, e.g., prose, multimedia.
- Reflect on own bias; convey objective attitude & informed skepticism; determine generalizability.
- Revise for validity & replicability.
- Represent response in multiple formats, e.g., prose, diagrams, models, equations, tables.
- Determine limitations of historical evidence in supporting claims.
- Detect inconsistencies in evidence; revise for strength & credibility of claims.
- Represent response in multiple formats, e.g., narrative, multimedia.
- Monitor by critically questioning logic & reasoning.
- Revise for precision & accuracy.
- Represent response in multiple formats, e.g., equations, diagrams, models.