

Albert's Model of the Research Process

Based on a presentation by Bruce Alberts. "Education through Guided Inquiry: Can We Begin the Freshman Year?" Presented at Reinvention Conference November 14-15, 2002, Undergraduate Research & Scholarship and the Mission of the Research University.

K-12 Researcher	Undergraduate Researcher	Graduate Student Researcher	Faculty Researcher
Selects among questions	Refines questions posed by others	Identifies/poses unique question	Poses unique question(s)
Learn techniques / methods – components of methodology	Guided construction of methodology through application of methods / techniques	Selects from established methodologies	Determines or creates methodology for investigation
Data/sources provided	Guided in methods of primary data/source collection	Generation or collection of primary data/sources	Sustained generation or collection of primary data/sources
Synthesize and report data	Analyzes data for results	Coached in methods of manipulation of data and/or interpretation of evidence	Data manipulation and analysis / Analysis and interpretation of evidence
Introduced to secondary and popular literature	Directed toward scholarly sources of knowledge	Conducts comprehensive secondary literature review	Keeps current through collegial and scholarly networks
Trained in communicating or presenting	Coached in disciplinary modes of communication	Coached in disseminating results to peers	Disseminates results for peers

