

HIST PRAC *For example, historians:*

- Frame historical problems
- Locate and use residues/evidence from past
- Analyze and use evidence through interconnected practices of "sourcing, corroborating and contextualizing"
- Determine significance of evidence and events
- Look for patterns in welter of facts and events and "colligate" these to create a concept or periodization scheme that imposes sense on that welter of events, e.g. "renaissance" is a colligated term
- Periodize and/or use the periodization schemes of others
- Read others' historical accounts
- Produce historical accounts
- Present/publish historical accounts

(adapted from R. B. Bain, 2007)

MATH PRAC *For example, mathematicians:*

- Ask "Natural Questions" in a given mathematical context
- Explore and experiment with the context
- Represent the context and examine the representation
- Look for organizing Structure or Pattern
- Consult with colleagues orally or in the literature
- Look for Connections as a result of consultation
- Seek Proofs or disproofs
- Follow Opportunities
- Write finished exposition of a proof
- Analyze Proofs (proof analysis)
- Present/publish proofs
- Use appropriate conventions to produce Aesthetically pleasing results

(Adapted from H. Bass, 2007)