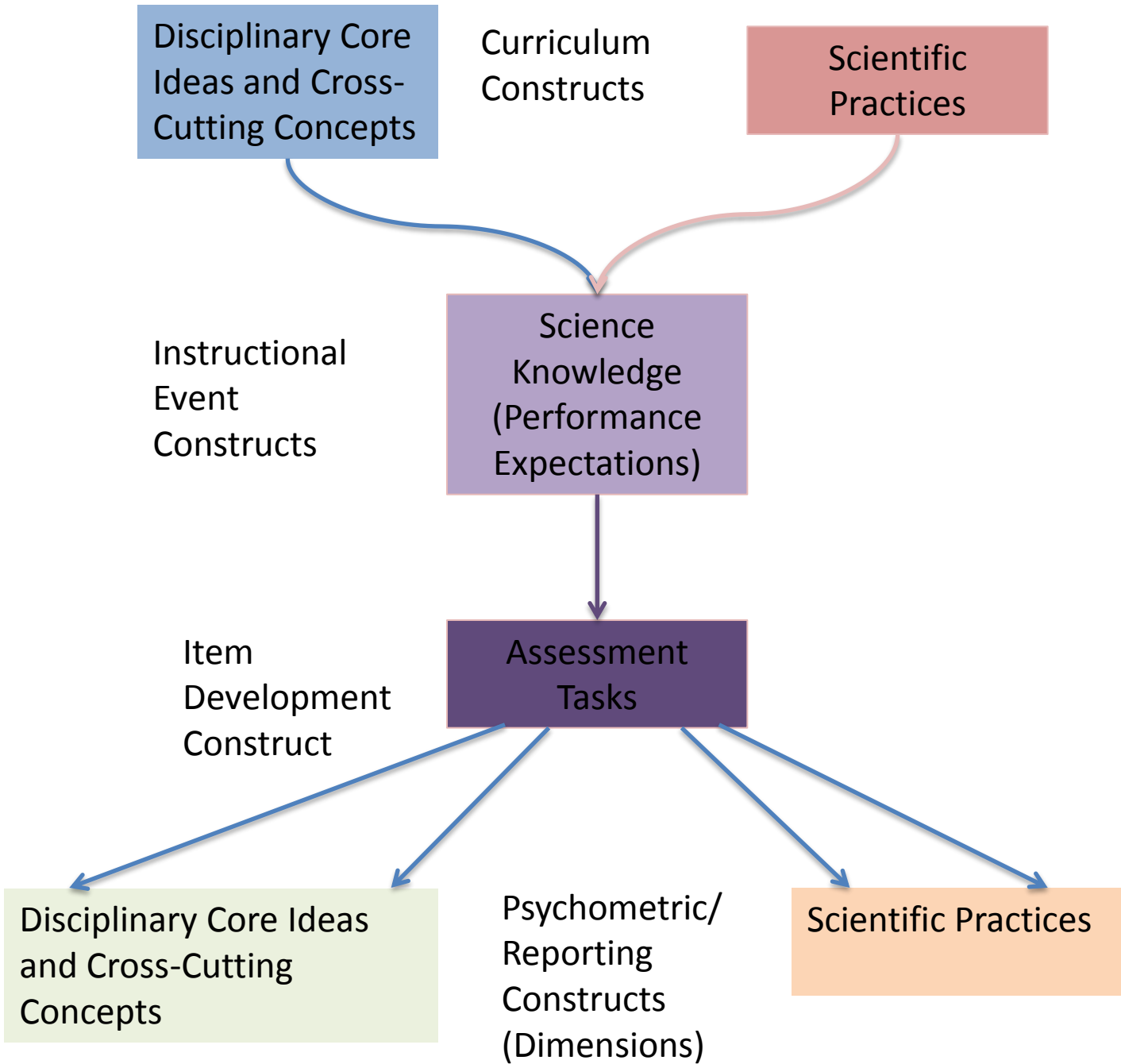


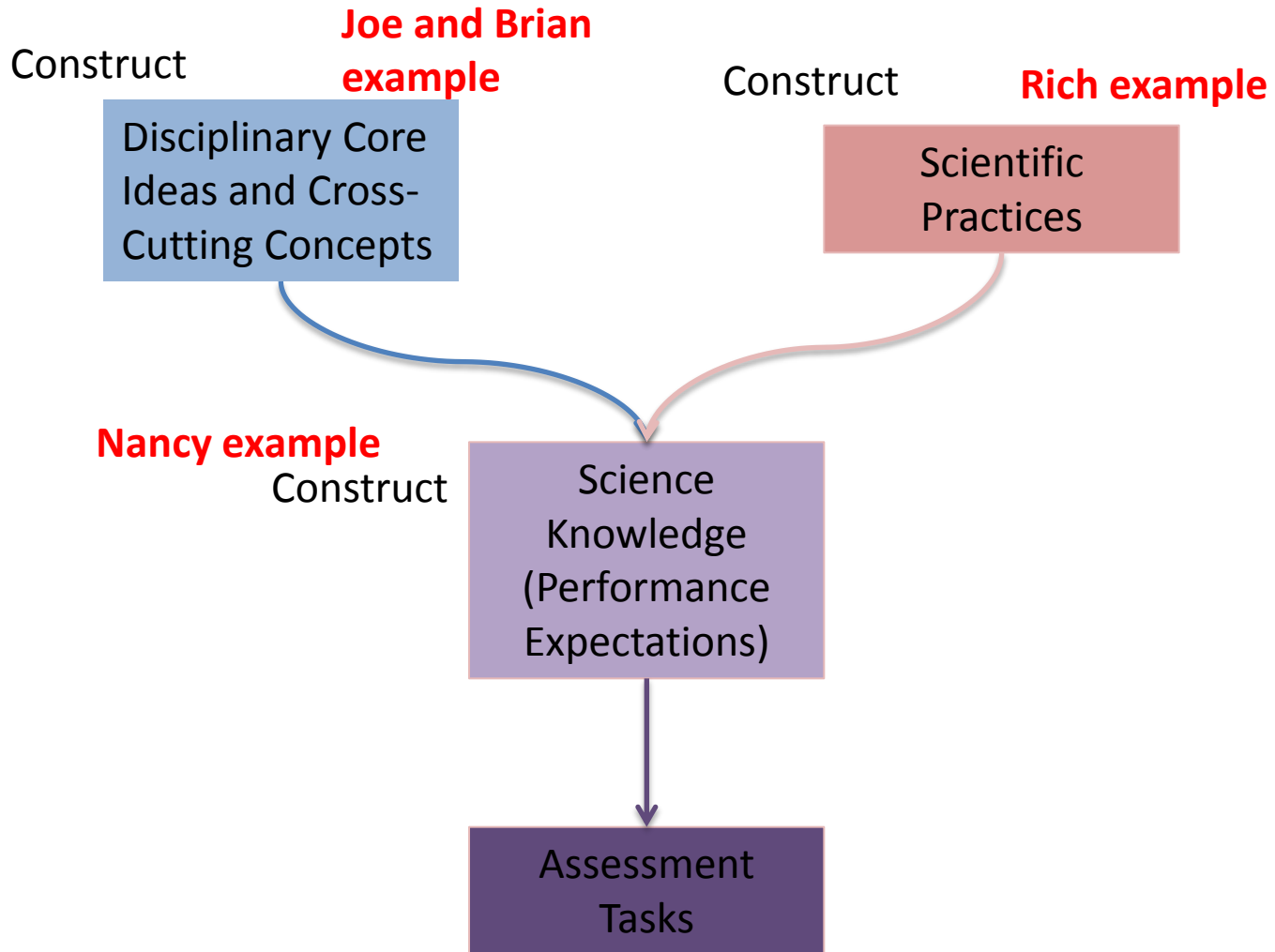
Assessing Science Knowledge that Inextricably Links Core Disciplinary Ideas and Practices

Mark Wilson, Brian Reiser, Joe Krajcik, Rich Lehrer, and Nancy Songer

NGSS and Three Inextricably Linked Dimensions of Knowledge

“The standards are written as student performance expectations...These statements each incorporate a **practice**, a **disciplinary core idea**, and a **crosscutting concept**. The performance expectations are the assessable components of the NGSS architecture.”
(Achieve draft, May 2012)





Ideas we may wish to discuss

1. Examples and discussion of how to model combined Practices and Content using (mainly) fusion items.
2. Discussion of need for fusion items when students are actively learning
 2. -OK to separate them out for assessment later
3. Chunking issues for assessment
...e.g.: Argument (model competition), Modeling, Explanation (AME).