



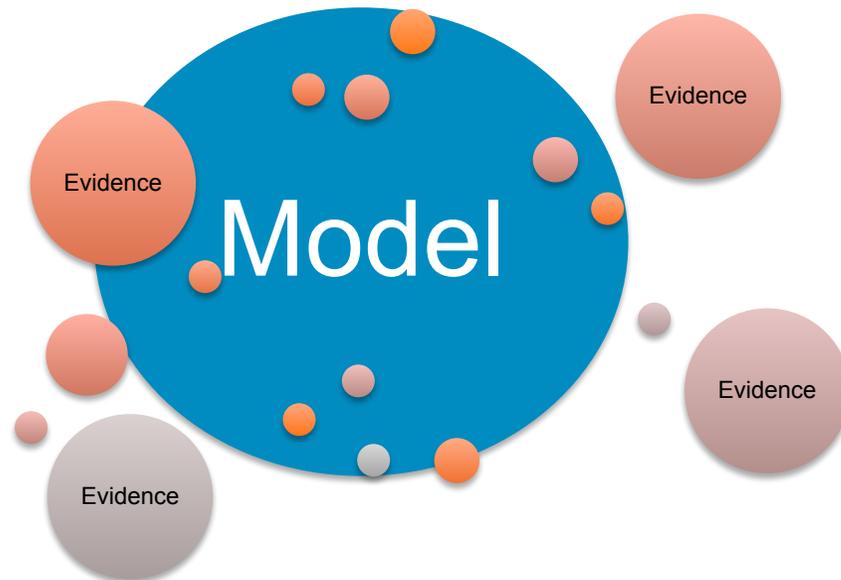
Engaging Students in Scientific Practices
Evaluating Evidence and Explanation in Secondary Earth and
Space Science

Day 2: Compare & Contrast MELS & baMELS

MELs and baMELs: Format Differences

MELs

- Two models
- Four lines of evidence



baMELS

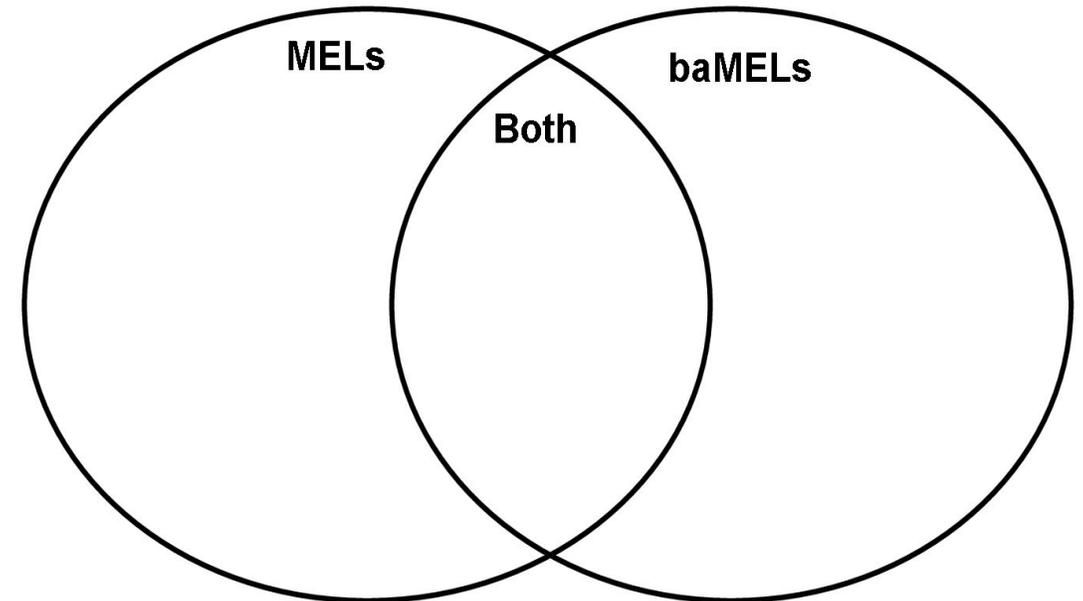
- Three models
- Eight (or more) lines of evidence



MELs and baMELs: Instructional Differences?

Working in groups, create a Venn Diagram that compares and contrasts MELs and baMELs

- Half of the groups will focus on student perspectives
- Half of the groups will focus on teacher perspectives
- Think in terms of what students and teachers DO and what they GET from each activity

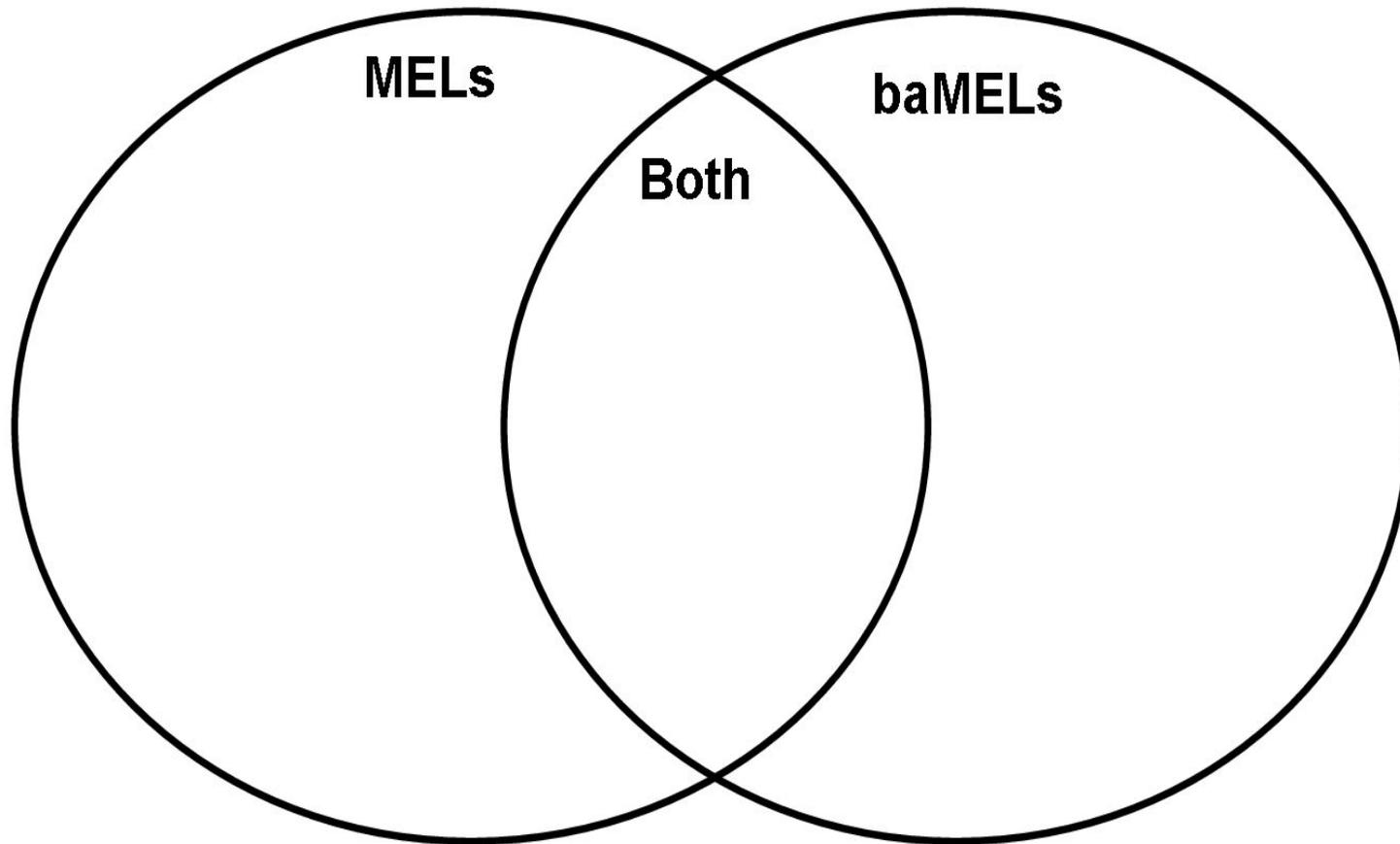


Be prepared to share!

For Students?

For Teachers?

Group Discussion: Instructional Differences



For Students?

For Teachers?

- Is one "better" than the other?
- What are the benefits and challenges of each format?
- What does this comparison suggest for instruction?



Thanks!