Best Practices in Science

1 ## Science Success
A data-driven, whole-class intervention strategy that allows for remediation while moving forward with new curriculum. Each cycle should take place during your warm-up time for 10 consecutive exposures.

2 ## 5E Instructional Model – Roger Bybee
An instructional model that allows students to interact with the content by engaging in sense-making and critical-thinking prior to discovering the new content in the explanation phase.

3 ## Talk-Read-Talk-Write – Nancy Motley
A scaffolded speaking, listening, reading, and writing strategy that helps students intentionally navigate through passages in both cooperative and independent phases.

4 ## Interactive Word Walls – Julie Jackson
A visual representation of the most important information (notes) that highlights content connections and relationships within the content. Students should be able to interact with the IWW.

5 ## Cooperative Learning – Spencer Kagan
A structured way for students to interact with the content that increases students engagement by promoting equal participation among students, collaboration, and collective efficacy.

6 ## Speaking & Writing in Science
A collection of speaking and writing strategies that helps students with their science language acquisition, while also allowing them to practice speaking and writing like scientists.

7 ## Small Group
A data-driven intervention strategy that allows the teacher to work with a specific group of students to move them past their individual hang-ups.