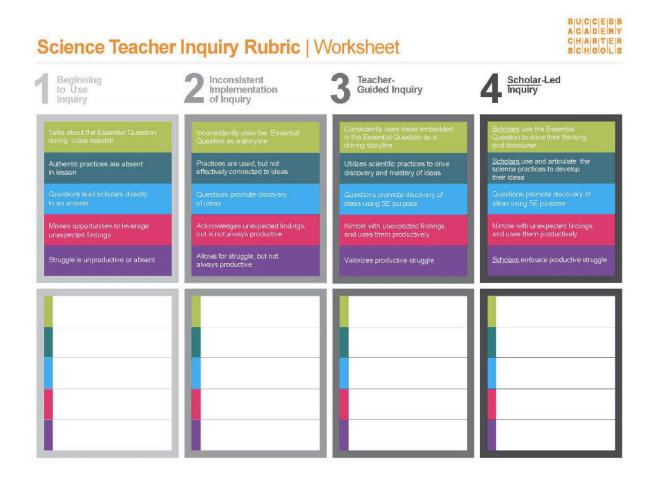


Science Teacher Inquiry Rubric

The Science Teacher Inquiry Rubric is a teacher development tool used to achieve the Success Academy Vision of Science Excellence.



Science Teacher Inquiry Rubric | Definitions



Key

■ Essential Questions (EQ)

are overarching unit questions that provide a cohesive storyline. The Essential Question drives the inquiry process, organizes classroom discourse, and deepens scholars' understanding of important ideas. An Essential Question is more than a sentence written on the wall; it is the central principle for each losson and unit.

■ Science and Engineering Practices (SEPs)

are methods utilized by scientists and engineers to do their work and build a knowledge base of scientific understanding. Since science and engineering require the use of these practices, it's essential for teachers to understand and effectively implement them. Teachers must engage their scholars in using practices in the road to mastery.

Questioning

is at the heart of strong teaching. Effective questions are presented at the right time and are aligned to specific goals of the lesson at hand.

■ Flexibility

The science classroom is an unpredictable environment. Scholars will ask unexpected questions and produce unanticipated findings during their learning journey. Effective teaching leverages the unexpected and teachable moments. By modeling flexibility, teachers help scholars embrace scientific thinking.

■ Culture of Productive Struggle

Learning is not always easy. Teachers must prioritize working through challenges as they guide their scholars.