The Scientific and Engineering Practices Work Group is in agreement with the recommendation from Work Group A and the decision to integrate scientific and engineering practices into the process skills in the current TEKS. Additionally, the work group is in agreement with the recommendation to rename the strand as “Scientific and engineering practices.” Using language from the current TEKS and the K-12 Framework for Science Education, the work group reorganized the structure of the knowledge and skills statements and student expectations in the current Scientific Processes strand to reflect key domains of the scientific and engineering process: investigating, evaluating, and developing explanations and solutions. The work group maintained student expectations specific to issues related to science and society to give a context to science and engineering.

To support vertical alignment the work group developed student expectations for each grade band using common vocabulary, phrases, and numbering. For certain grade level or course specific student expectations, the work group elected to standardize the language with the intent to allow all future work groups to add appropriate content, e.g., lists of tools. The work group maintained the requirement for percentage of instructional time for investigations for grades 6-12 (40%) within the knowledge and skills statements. The work group recommends moving (2)(A), (B), and (C) from Biology,