# Asking Questions

Elements of Student Performance

**Middle School**


Science & Engineering Practice 1

| Addressing phenomena of the natural world or scientific theories |
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| Ask questions that arise from careful observation of phenomena, models, or unexpected results, to clarify and/or seek additional information.<br>Ask questions that address the relevant disciplinary core idea and include the relevant crosscutting concept.<br>Ask questions to identify and/or clarify evidence and/or the premise(s) of an argument.<br>Ask questions to determine relationships between independent and dependent variables and relationships in models.<br>Ask questions that challenge the premise(s) of an argument or the interpretation of a data set. |
| **Evaluating empirical testability** |
| Ask questions that require sufficient and appropriate empirical evidence to answer.<br>Ask questions that can be investigated within the scope of the classroom or an outdoor environment.<br>Frame a hypothesis based on observations and scientific principles. |

MS-PS2-3 / MS-ESS3-5