

Practicing Science and Mastering Content - Key Takeaways

On Tuesday, October 11th, 2016, Boston After School & Beyond hosted its first BoSTEM Workshop: Practicing Science and Mastering Content. The workshop focused on incorporating science and engineering practices into activity design and questioning and discussion strategies.

The following tips were shared during the meeting:

- Prescript questions for your facilitators to have on hand that ask students to make detailed observations or think more deeply. [Click here for some examples](#)
- Be aware of whether you are asking broad questions or narrow questions. [Click here to read about the difference](#)
- In order to get students comfortable discussing their scientific ideas in groups, consider starting students with 1:1 conversations with peers and small group discussions before asking them to share their thinking with the full group. [Click here to learn different discussion routines](#)
- When writing and editing curriculum, explicitly identify the STEM practice you want your students to engage in and record it at the bottom of your lesson plan. [Click here to view the NGSS Practices](#)
- Consider whether your curriculum aligns with [The Learning Cycle](#).