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.