Fall 2021 Observer Feedback - STEM
Areas of Focus

- Five topics of interest
- Measurable
- Programs in Boston Beyond’s SY network
pick 1+ Area of Focus
STEM Areas of Focus

MEASUREMENT & IMPROVEMENT
STEM AREAS OF FOCUS

STEM: Science, Technology, Engineering, Math

ARE STUDENTS EXCITED ABOUT STEM?
- Students willingly and enthusiastically participate in STEM activities.
- Students explore topics in a hands-on way.
- Students approach activities like real scientists.

ARE STUDENTS CONNECTING STEM WITH THEIR LIVES?
- Students do STEM activities outside of school.
- Students connect STEM activities to the world around them.

ARE STUDENTS INTERESTED IN STEM JOBS?
- Students want to pursue a career in STEM.
- Students can name some STEM-related careers.
- Students know how to get a job in STEM.

ARE STUDENTS LEARNING IN A POSITIVE ENVIRONMENT?
- Students reflect on what they are learning.
- Students make friends in the program.
- Students have the opportunity to choose and lead activities.

ARE STUDENTS EXPERIENCING HIGH-QUALITY STEM ACTIVITIES?
- Staff provide sufficient materials, space, and time for the activity.
- Staff encourage students to collaborate with their peers.
- Staff design accurate STEM content.
- Staff give students space to be creative.
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1. Observers – Dimensions of Success (DoS)

2. Students – Common Instrument (CI)
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2. Students – Common Instrument (CI)

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What is the DoS again?

- Trained, certified observer
- Rates STEM activity on 12 dimensions
- Created by PEAR
- Fall 2021: 7 programs observed

Photo Credit: Courageous Sailing, Summer 2021.
STEM Program Quality
Dimensions of Success

The Dimensions of Success (DoS) observation tool was developed by The PEAR Institute. Observations were completed by individuals certified by The PEAR Institute.
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How is engagement with STEM rated?

1 Passive or Active Learners
   Hands-on Minds-on

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Next Steps

• BoSTEM: PRISM Review, Action Planning
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    – Doana (dmarcellus@bostonbeyond.org)

• Questions or Requests
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