



The Carnegie STEM Excellence Pathway is a strategic continuous improvement planning process to aid schools and districts in improving STEM education. The Pathway will be facilitated by RCOE STEM, an official Pathway Provider through a series of workshops and classroom walks conducted throughout the academic year.

The 3 year process will follow this pathway:

I. Emerging | II. Progressing | III. Advancing

## I. THE EMERGING WORKSHOPS

The Emerging Workshops are intended for schools and/or districts as a first step toward improving their STEM education or for those re-evaluating their progress on the Pathway in subsequent iterations of this improvement process. Partners will be given time to work collaboratively within their STEM Leadership Teams to assess current conditions through a self-evaluation for the purposes of creating an Action Plan and Implementation Plan to put into place at their educational institution.

The workshops and classroom walks are designed to be a total of 18-hours of in-person sessions and support.

### Goals of the Emerging Workshops:

1. Create a common understanding of high-quality STEM education
2. Enable Partner Schools to reflect on current conditions of STEM education through a self-evaluation
3. Identify key Priority Areas for improvement
4. Create an Action Plan and Implementation Plan using the on line Pathway Tool

## II. THE PROGRESSING WORKSHOPS

The Progressing Workshops are intended for Pathway Partners who have been consistently working for several months to implement the Action Plans created during the Emerging Workshop. Partner schools and/or districts will have the opportunity to collaborate with one another specifically in breakout sessions designed around common Action Plan goal areas. STEM Leadership Teams will review their progress toward completing their Action Plans and identify further support and resources that can be used to achieve their goals.

The workshops and classroom walks are designed to be a total of 18-hours of in-person sessions and support.

### Goals of the Progressing Workshops:

1. Review Action Plan goals of Pathway Partners
2. Share Best Practices through collaboration
3. Review progress and update Action Plans and Implementation Plans on Stemisphere
4. Identify further supports and resources

## III. THE ADVANCING WORKSHOPS

The Advancing Workshops are intended for Pathway Partners who are completing a round of the Pathway process. Partners reflect on the implementation of their Action Plans and celebrate successful STEM education improvement.

The workshops and classroom walks are designed to be a total of 18-hours of in-person sessions and support.

### Goals of the Advancing Workshops:

1. Reflect upon the implementation of the Action Plan
2. Share experiences on achieving Action Plan goals
3. Perform a re-evaluation to track progress
4. Create an Action Plan to continue STEM education improvement

For more information on participating in a Pathway workshop, please contact:

Carnegie STEM Excellence Pathway is provided by

in collaboration with Carnegie Science Center, Pittsburgh, PA, USA. For more information, go to:

<https://www.rcoe.us/departments/educational-services/instructional-services/content-and-pedagogy-support/content-areas/science-technology-engineering-mathematics-stem/stem-excellence-pathway>