



My Journal

Throughout the **STEAM Family Engagement** module, you will have opportunities to pause and reflect on prompts. Use this journal to complete the reflection activities.

Section 1: STEAM Learning Begins with Families

Observe: Playful, Hands-On STEAM Learning

Observe [this video of children and families exploring a wind tube](#).

- What strengths did you notice as families interacted with their children?
- What emotions do you think children and adults experienced?
- What STEAM (science, technology, engineering, arts, and math) concepts did they explore?

Family and Community Engagement in STEAM

- What family engagement experiences does your agency already offer? In what ways, if any, are STEAM topics included in those experiences?





Section 2: Count Play Explore (CPE) Approach to STEAM Family Engagement

Observe: STEAM Learning Starts Early

Observe [this video showing how everyone from infancy to adults can explore STEAM](#).

How might the CPE principles raise your awareness of families' existing STEAM practices?

How might the principles help focus your agency's STEAM family engagement efforts?

- Math and science mindsets matter.
- Math and science are everywhere.
- Math and science are fun and playful.
- Math and science are for everyone.

Observe: Everyday Play

Observe [this video of a family exploring math at the park](#).

- In what ways did the family playfully explore math and other STEAM topics?
- What additional opportunities for STEAM learning might there be at a park?
- How do these playful experiences strengthen family relationships and the child's STEAM learning?





Section 3: Discover CPE Family Engagement Resources

Planning Interactive Exhibits with Community Partners

- How can your agency engage families and community members in planning interactive exhibits?
- What ideas for different interactive exhibits do you have, including those that reflect your community's cultural context?

Observe: M.A.T.H. Packs

Observe [this video about a program focused on math and early literacy](#). Consider the early learning settings that your agency works with.

- How can you offer a Math Activity Take Home (M.A.T.H.) pack program in one or more of those settings? What [CPE Family Engagement Resources](#) would you include?

Observe: Family STEAM Events

Observe these videos:

- [Family STEAM Event: Family Math Night](#)
- [Family STEAM Event: Family Fun Day](#)
- [Family STEAM Event: Melanated Math Moments](#)





Consider ways that you might co-create a STEAM event with families. For example, you might invite families to lead the opening presentation or encourage them to facilitate event activities.

- What training might families need to feel confident in facilitating an activity?
- Who could your agency partner with to offer family STEAM events?
- What partners and funding sources might assist in sustaining family engagement in STEAM?

