



# Family Events

## Teacher Guide



PreK-3rd

Teachers receive two kits with 6 activities total for their classroom.

Events can be held in schools or at inquiry-relevant community resources (e.g., parks, gardens, science museums). This guide will provide information on event activities, event hosting options, and event kit contents. All Family Event materials will be provided by the NURTURES program.

### Event Guides

Guidance for activities  
& family engagement

### Signage

Directions, talking tips,  
science info & research



## Family Events

NURTURES Family Events are designed to enhance family engagement in science with fun, educative activities for the entire family. Events will be hosted by classroom teachers at school or within your community. NURTURES Teachers will host events throughout the school year.

Events feature multiple opportunities for families to experience science and engineering. Events are designed to support family discussions about science & engineering and encourage children to communicate ideas and make conclusions.

## Family Events Activity Overview



### Event Kit #1



#### Build-A-Boat

Families build a boat that can hold as much weight as possible without sinking.



#### Pizza Box Motion Maze

Families build a maze for a ball that incorporates multiple forms of motion between the start and finish.



#### Terrarium Tracking

Families build a house for a plant that provides the necessities for survival and growth.



### Event Kit #2



#### Foam Rockets

Families build a foam rocket; then test their design to see how far it can fly!



#### Tower Challenge

Families construct the tallest free-standing tower that can hold weight and withstand winds.



#### Pour-A- Pond or Sortin' Soil

Families work together to observe and identify living & non-living things in mini-ponds or mini-plots of soil.

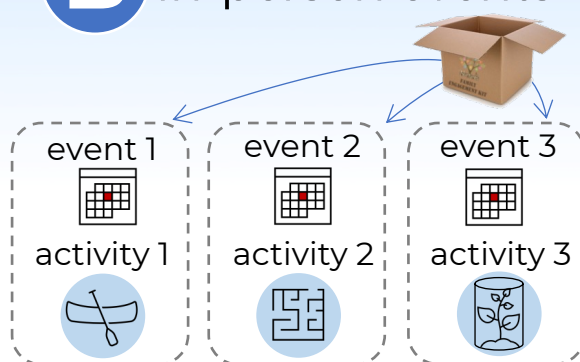
Note: activities subject to change based on material availability.

You will host and facilitate Family Engagement Events for your classroom. You have two event types to choose from per kit. Your choice should be based on what works best for you, your students, and their families.

## A In-person event



## B In-person events



### Each Family Event Kit features the following...

**Setup Guides** (for teachers) – directions and recommendations on how to set up each activity

**Materials** (for families) – all materials necessary to complete the kit activities\* for your classroom families

**Event Guides** (for families) – additional support and engagement for families as they participate in each activity  
*Note: As the event facilitator, please encourage families to use these guides during the event*

**Attendance sheets** (for teachers & families) – these sheets collect important data, please encourage use during events, then send electronically to NURTURES after the events

**Activity Direction signage** (for families) – each activity features a set of directions to be displayed for families.

**What's the Science signage** (for families) – each activity features signage explaining key science concepts.

**Talking Tips signage** (for families) – signage to place around the event area to encourage and support family conversations

**Research Survey signage** (for families) – signage to encourage families to complete the online NURTURES event survey

### Family Event Tips & Important Info

 If multiple NURTURES teachers are at a school, you can work together to host a combined event. If you are the only teacher, consider recruiting an assistant for setup and helping direct families.

 Hold these events during classroom parties, conferences, field trips or other scheduled events that involve families. Each kit is self contained and portable to support events outside of school – in your community

 \*Be sure to keep your Kit #1 plastic tubs from Build – A – Boat and scissors from Pizza Box Motion Maze

### Research Reminders

Completion of events surveys is vital. Encourage and remind families about the surveys. Survey signs with QR codes and web addresses are provided



Be sure to place survey signs in areas where families can see them and encourage families to take the survey.