



- Gather all materials needed for the session.
- Develop a list of possible questions participants might have during the meeting. Create potential responses to be explored through informal conversation. Review any key terms or ideas that may be unclear.

## Session Outline

### Planning a Learning Opportunity (20 min)

- Introduce the task for the day.
  - *Today we will be looking at popular STEM activities and thinking of the learning goals that are connected to them.*
- Pass out the "TMC Works Learning Plan" worksheet to participants. Read through it together with special emphasis on the before, during, and after activity sections. Then call attention to the learning objective (i.e. goal).
  - *Every lesson is unified by its objective, or the goal for youth learning. We often use a "SWBAT" to write a lesson objective, or a "Students will be able to" phrase to start out the objective. This is the most important part of planning a lesson; we want all learning activities to be tightly focused around what youth will learn.*
- As a group, identify some learning goals for the activity you started the training with.
- Pass out the [Common Out-of-School STEM Activities](#) list.
  - *For each of these activities, we are going to write a possible learning objective for our program. These objectives should be linked to a STEM concept or practice, but you can have other learning objectives that emphasize teamwork, social skills, and other actions you might prioritize in your classroom.*

### After the Session

- Email the participants:
  - *Thank you for your participation in the recent Click2Science training on "Preparing STEM Learning Opportunities". I hope you found it useful and applicable to your practice. Consider sharing your thoughts with a co-worker, supervisor, or friend. Please let me know if you have any questions. You can reach me at CONTACT INFO.*

Want to Earn Credit? Click2Science has teamed up with Better Kid Care to provide continuing education units. Check it out at: <http://www.click2sciencepd.org/web-lessons/about>

## Common Out-Of-School STEM Activities

	Youth will be able to...	Related STEM Principle
<b>Egg drop</b> Build a contraption to protect an egg from cracking		
<b>Building with Wonderful Junk</b> Build a strong tower out of recyclables		
<b>Jam Jar Exploration</b> Investigate the types of soil in a jam jar.		
<b>Paper Airplane Design</b> Build the farthest-flying airplane		
<b>Soda-Straw Rockets</b> Design and launch a paper rocket off a plastic straw		
<b>Identifying Local Plants</b> Investigate native species in the area around your program		
<b>Build a Parachute</b> Try to get the most hang time		
<b>Glurch &amp; Oobleck</b> Note the properties of gooey substances.		