



STEAM Handout

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What is STEAM? List the components here:

S -
T -
E -
A -
M -

“Jobs in the science, technology, engineering, and mathematics (STEM) fields power our economy and build shared prosperity among our society. Investing in afterschool and summer STEAM learning programs will help students explore their interests, build skills, connect with mentors, and prepare for jobs in growing fields like health care, information technology, and cybersecurity.” (Afterschool Alliance)

Engagement Ideas:

Create center stations within your afterschool program. Rotate groups of children between each of the STEAM areas throughout the week.

Resources:

- Curriculum and activities to incorporate STEAM into your afterschool program
<http://www.afterschoolalliance.org/STEM-curriculum.cfm>
- [STEAM Resources | Child Care Technical Assistance Network \(hhs.gov\)](#)
- Hundreds of GAMES and STEAM activities for afterschool program students (videos)
https://www.youtube.com/results?search_query=fun+afterschool+games+for+kids+to+build+leadership
- 25 FUN and Hands-on ACTIVITIES For Afterschool Program Children
<https://www.care.com/c/stories/3176/25-after-school-activities-and-games-for-kids/>
- <https://www.edutopia.org/article/STEAM-resources>
- <https://littlebinsforlittlehands.com/seasonal-science-experiments-stem-activities/>
- <https://www.striveacademy.org/virtual-steam-activities>
- <https://www.steampoweredfamily.com/education/virtual-kids-activities/>

Centers Planning Sheet

- **Weekly Objective:** The children will _____ when _____ while working in _____ during _____ .

Component

Activity

Materials

S - cience		
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- **Weekly Objective:** The children will _____ when _____ while working in _____ during _____ .

Component

Activity

Materials

T - echnology		
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- **Weekly Objective:** The children will _____ when _____ while working in _____ during _____ .

Component

Activity

Materials

E - ingineering		
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- **Weekly Objective:** The children will _____ when _____ while working in _____ during _____ .

Component

Activity

Materials

A -rts		
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- **Weekly Objective:** The children will _____ when _____ while working in _____ during _____ .

Component

Activity

Materials

M - athematics		
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EXAMPLE Plan

Engineering STEAM Center:

Weekly Objective: The children will create when constructing a building structure while working in small groups during STEAM centers .

Activity: Building structures

Materials: Marshmallows big and small, small popsicle sticks and toothpicks, clay, and foil