



THE NATIONAL CENTER ON

Quality Teaching
and Learning

LEARNING ACTIVITY SCIENCE KNOWLEDGE & SKILLS

SCIENCE TOPICS MIND MAP

Purpose: To help teachers understand what science topics young children can investigate in key science areas

What to do:

1. Ask teachers to gather in small groups of three to four people. Each group needs a sheet of poster-size paper.
2. Provide access to online or printed copies of relevant state early learning guidelines related to science and [Marvelous Explorations Through Science and Stories \(MESS\)](#).
3. Give teachers 15 minutes to make a group mind map of possible science topics for young children, based on the major science areas identified in the [Next Generation Science Standards for K–12](#): life, physical, earth and space, and engineering and technology. Show teachers an example. (Sample is attached.)
4. Ask each group to present its map to the whole group.



EXAMPLE: SCIENCE TOPICS MIND MAP

