



LIFE SCIENCE TIDBIT

Looking for ways to incorporate learning themes that are fun and engaging for youth?
These activity ideas with a Life Science theme should help!

Playdough Bug Building



Great for Toddlers through School Age

Materials: Trays for materials for each child, if doing for toddlers choose safe materials, pieces of paper other collage items, pip cleaner pieces, eye stickers, play dough in different colors if available.

Suggestions: Talk with the children about the different types of bugs, and the different parts of bugs, count legs, antenna, body parts such as abdomen and wings.

Source and more ideas:

<https://preschoolsteam.com/build-bug-play-dough-steam/>

Spanish Vocabulary, Insects Video:

<https://youtu.be/kaQQgGzvzK0>

Learn the Parts of the Body



Good for all ages, increase naming difficulty with age and ability of child.

Suggestions: Consider starting with the song "Head, Shoulders, Knees, and Toes" available in the link below. Name out the body parts before singing, after you try it once consider increasing the speed or changing the parts of the body.

Song list:

<https://planningplaytime.com/preschool-songs-body-parts>

Book List:

<https://www.pre-kpages.com/books-body-preschoolers/>

***Somali Body Parts Video:**

<https://youtu.be/zZ0c7b4x4j0>

Venn Diagrams



Most suitable for Preschool and school age children.

**Consider letting older children make their own paper diagrams.*

Materials: 3 different colors of paper, different types of animal figures (if low on figures consider printing photos, laminate for longer use), pencil, scissors.

Directions: Trace circles onto two different colors using a large circle shape (lid, or pot) possibly green for land and blue for water, glue or tape the two circles together letting them overlap, then place another sheet (yellow) over top of the middle portion and use your circle shape to trace the edges of the other two circles onto to this sheet, cut out and glue or tape down to the middle creating something similar to the picture above, lay the animals next to the paper shapes and let the sorting fun begin!

Source:

<https://funlearningforkids.com/sorting-animals-venn-diagram-activity/>

Life Science Music Play List



Consider how you might incorporate science into other areas, like during music and gross motor play.

Scratch Garden Science Songs, "The Life Cycle Song"

<https://youtu.be/PqzF4-w7bG8>

Spanish Body Parts Song "Hot peas and Butter, Mi Cuerpo"

<https://youtu.be/cZ-ewh-FAE>

Arabic Ocean Animals "Learning Arabic : The Sea Creatures Song" (from Arabian Sinbad)

<https://youtu.be/beppSxVwJ2o>

Caspar Babypants, "Frogs"

https://youtu.be/v2_O43VkMAO

Caspar Babypants, "Stump Hotel"

<https://youtu.be/jEwgYhKX6yQ>

Raffi, "Baby Beluga"

https://youtu.be/irQa3UDV_AM

Greg and Steve, "Animal Action"

https://youtu.be/4aVO_31rNQw





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Additional Resources:

**Consider Animal Habitat Sensory Bins for Children
Ages Toddler Through School Age;**

<https://www.pinayhomeschooler.com/2016/10/preschool-animal-habitats-using.html?m=1>

Connecting Nature Walks in the Classroom;

<https://www.naeyc.org/resources/blog/connecting-our-nature-walks-classroom>

Tips for Supporting Science Learning;

<https://www.naeyc.org/our-work/families/support-science-learning>

National Science Teaching Association-Position Statement, Early Childhood Education;

<https://www.nsta.org/nstas-official-positions/early-childhood-science-education>

Animal Tracks Activities for older children;

<https://www.parentingscience.com/kindergarten-science-activities-tracking-animals.html>

School Age Science Spanish Resource list;

<https://www.crsience.org/educators/SpanishResources/>

SciGirls from PBS Kids for School Age Girls, and PBS Parent for Ages 2 and Up .

(explore menu options for details);

<https://www.pbs.org/parents/thrive/tips-for-encouraging-girls-in-stem>

Tinkergarten Nature and Outdoor Activities

(age can be selected);

<https://tinkergarten.com/activities/filtered?utf8=%E2%9C%93&activity%5Bkeyword%5D=>

School Age Science Simulations;

<https://phet.colorado.edu/en/simulations/filter?sort=alpha&view=grid>

***Available in Multiple Languages;**

<https://phet.colorado.edu/en/simulations/translated>

