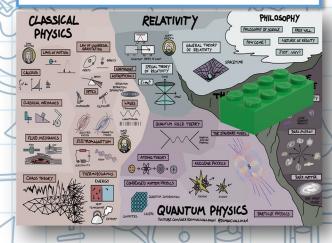


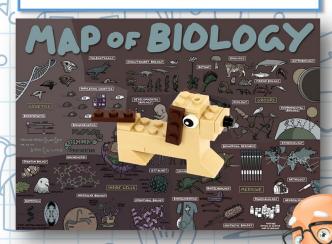
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1. PHYSICS studies a single Lego and all of its properties, like how it moves around and its energy.



3. LIFE SCIENCE (BIOLOGY)

studies all of the possible living things made out of Legos.



SUGGESTED BOOKS

Falling Felines and Fundamental Physics Gregory J. Gbur

> Science Matters Robert M. Hazen & James Trefil

> > At Least Know This Guy P. Harrison

Understanding the Universe: From Quarks to the Cosmos Don Lincoln

The Element in the Room Helen Arney & Steve Mould

Does My Goldfish Know Who I Am? & Big Questions From Little People Gemma Elwin Harris

Everything You need to Ace Science in One Big Fat Notebook: The Complete Middle School Study Guide

(Workman Publishing)

Everyday Amazing Beatrice the Biologist

The Science Book (Dorling Kindersley Limited) CHEMISTRY studies how Legos fit together to create larger things.

THE MAP OF CHEMISTRY



 EARTH SCIENCE studies all the nonliving things in the Lego world.

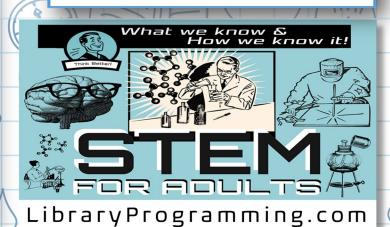


SUGGESTED YOUTUBE CHANNELS TO SUBSCRIBE TO.

Fermilab Amoeba Sisters AsapScience CrashCourse SciShow Vsauce

Up and Atom
DoS -Domain of Science
(Domain of Science is where you can get
those cool maps of Biology, Physics, etc)
StarTalk

The Science Asylum ScienceComedian William Pack





x = Hoe' cos(wt+a)

A theory is a proposed explanation that ely tested and based on has been extensive many observations.

Example: Einstein's general theory of relativity explains gravity as a distortion of space (or more precisely, spacetime) caused by the presence of matter or energy. A massive object generates a gravitational field by warping the geometry of the surrounding spacetime.

 $3/_{2} \cdot \hbar \omega (n = 1)$

SERVATION

MASS IS NEITHER CREATED NOR DESTROYED BY ORDINARY CHEMICAL REACTIONS OR PHYSICAL TRANSFORMATIONS.

STARTS AND ENDS WITH THE SAME AMOUNT.

EXAMPLE:



Log 30 kg

RELATIVE AMOUNT OF AIR

AND WATER ON THE EARTH

1 kg

Ashes 28 kg

AIR



uΔ

 $A = \frac{m}{m} RT \ln \frac{1}{m}$

nd²n)

uΔ

90

Smoke 3 kg

Good Science

 $x = H_0 e^{\beta'} \cos(\omega t + \alpha)$

Testable Replicable Refutable Falsifiable

BAD SCIENCE

- 1. Check the source
- 2. Widespread Scientific Criticism
- 3. Unqualified people
- 4. Look for exaggeration
- 5. Data does not support claims
- 6. Evidence is anecdotal
- 7. Conflict of Interest
- 8. False Balance

p=poe

D= 1-<v>< \(\rangle >< \rangle >

Es=-Ldl <V> = V Timo