2016 MAS

PreKindergartn Kindergarten (3-4 year old; MA EEC) (5 year old) ELA: SL.K.5 PreK-LS1-1(MA). Compare, using descriptions and drawings, the external body parts of animals (including humans) and plants and explain functions of some K.LS1-1. Observe and communicate that of the observable body parts. Clarification animals (including humans) and plants Statement: Examples can include need food, water, and air to survive. comparison of humans having and horses: Animals get food from plants or other humans have two legs and horses four, animals. Plants make their own food and but both use legs to move. need light to live and grow. PreK-LS1-2(MA). Explain that most animals have five senses they use to gather information about the world around them. PreK-LS1-3(MA). Use their five senses in their exploration and play to gather information. K.LS1-2(MA). Recognize that all plants and animals grow and change over time. PreK-ESS2-3 PreK-LS2-2(MA). Using evidence from the local environment explain how familiar plants and animals meet their needs where they live. Clarification Statements: Basic needs include water, food, air, shelter, and, for most plants, light. Examples of evidence can include squirrels gathering nuts for the winter and plants growing in the presence of sun and water. The local environment includes the area around the student's school, home, or adjacent community.

1.
From
Molecules
to
Organisms:
Structures
&
Processes

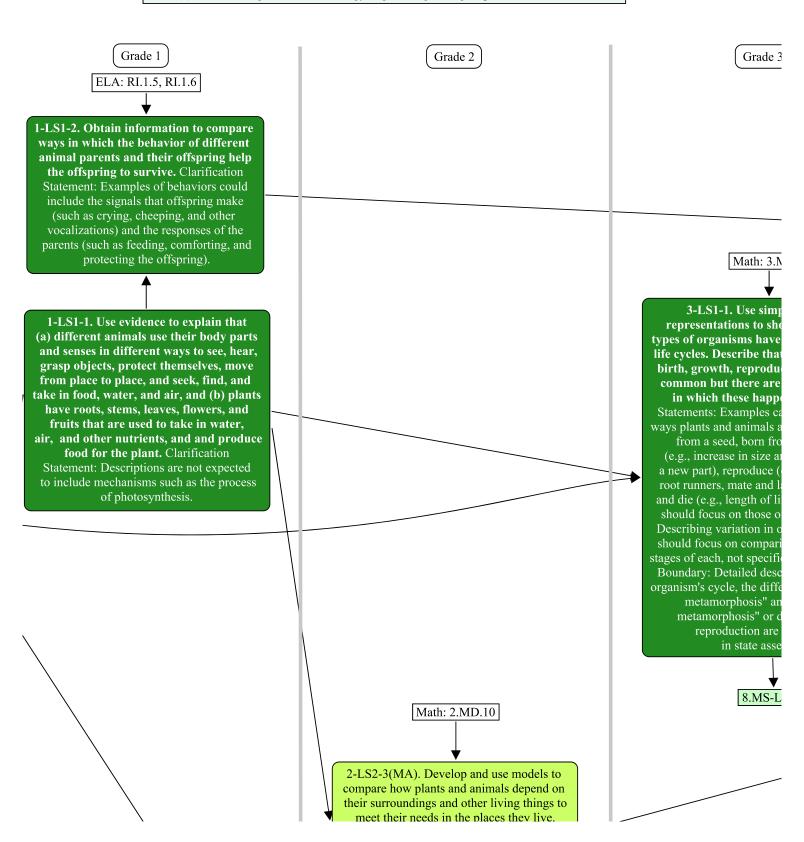
2: Ecosystems: Interactions, Energy, & Dynamics

PreK-LS2-3(MA). Give examples from the

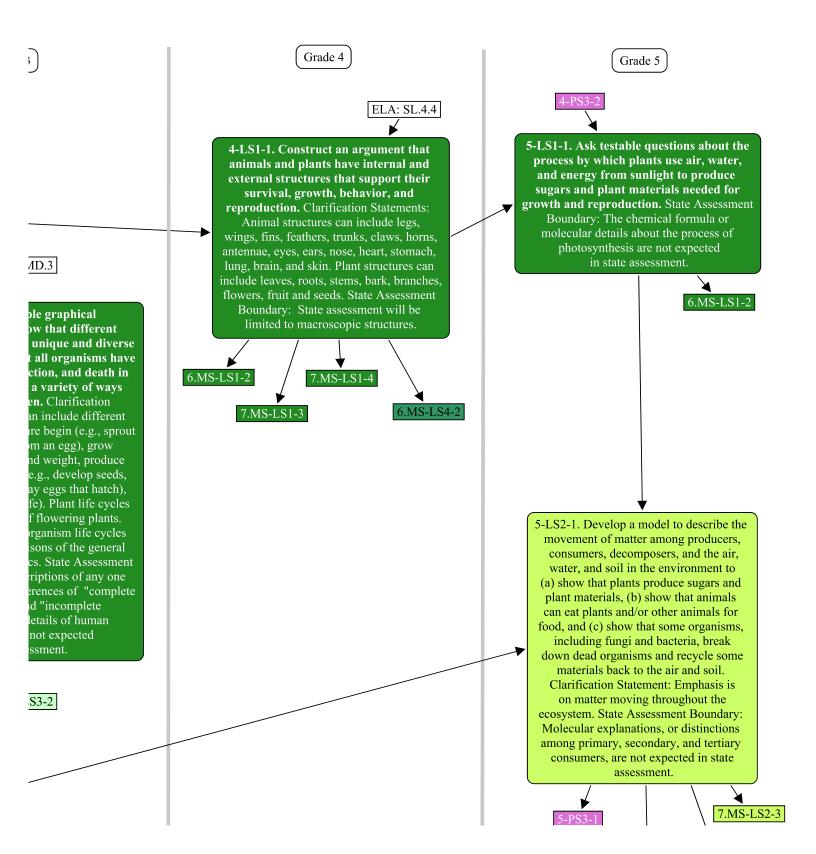
TE PreK-5 Life Science Strand Map (Ap

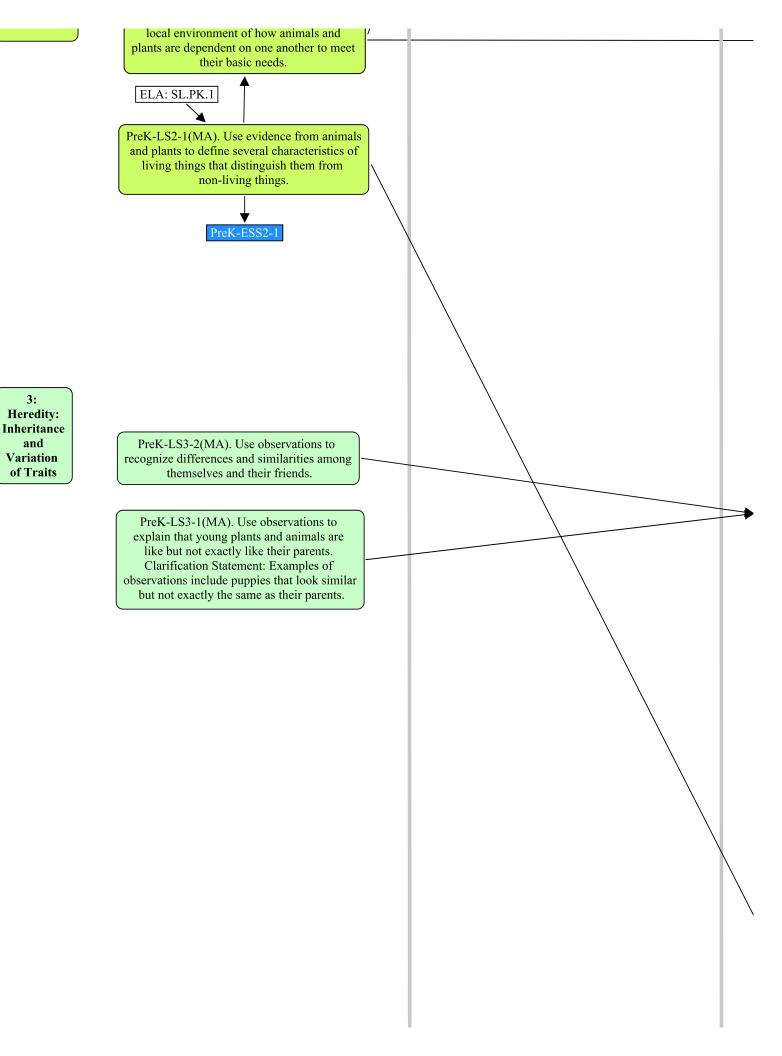
Please direct comments, suggested edits, and questions to: mathsciencetech@doe.mass.edu.

The standards and strand maps are available at: www.doe.mass.edu/stem/review.html
(*) denotes integration of technology/engineering through a practice or core idea.



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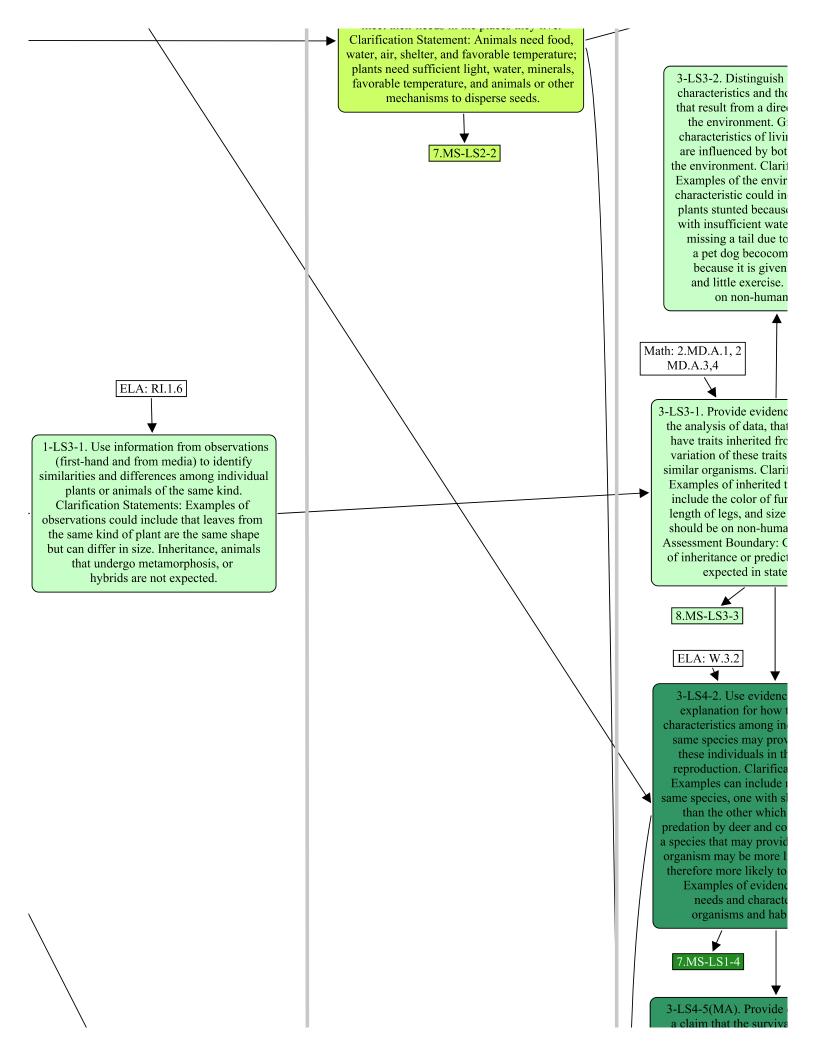


3:

and

Variation

of Traits



between inherited ose characteristics ct interaction with ive examples of ng organisms that h inheritance and fication Statements: onment affecting a clude normally tall e they were grown er or light, a lizard a predator and, ing overweight too much food Focus should be examples.



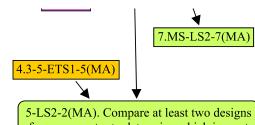
ce, including through t plants and animals im parents and that exist in a group of fication Statements: raits that vary can ; shape of leaves, of flowers. Focus in examples. State Benetic mechanisms tion of traits are not assessment.



e to construct an he variations in dividuals within the ide advantages to eir survival and tion Statements: ose bushes of the lightly longer thorns may prevent its lor variation within le advantages so one ikely to survive and produce offspring. e could include eristics of the tats involved.



evidence to support

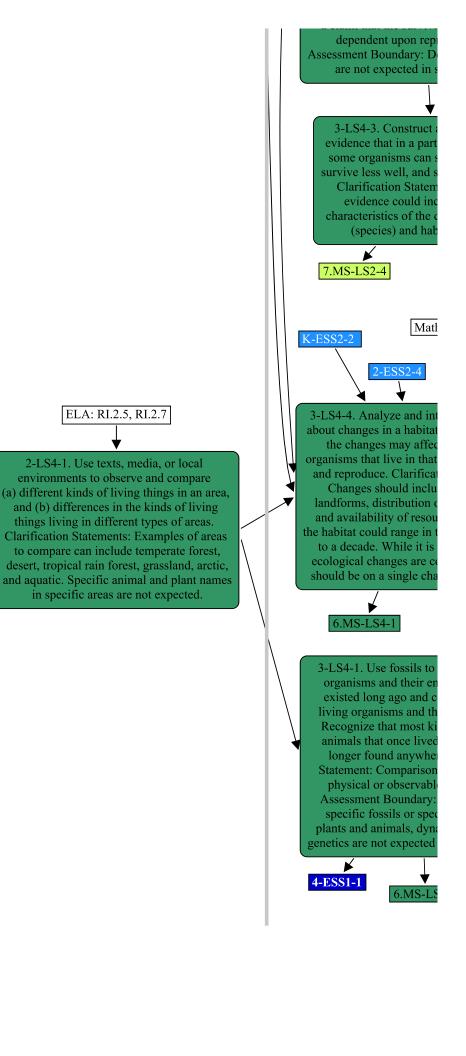


5-LS2-2(MA). Compare at least two designs for a composter to determine which is most likely to encourage decomposition of materials.* Clarification Statement:

Measures or evidence of decomposition should be on qualitative descriptions or comparisons.

4:
Biological
Evolution:
Unity
and
Diversity

Massachusetts Department of Elementary and Secondary Education April 2016



roduction. State etails of reproduction state assessment.

an argument with icular environment survive well, some ome cannot survive. The icular environment: Examples of clude needs and different organisms bitats involved.





terpret given data and describe how at the ability of habitat to survive tion Statements: de changes to of water, climate, rces. Changes in ime from a season understood that omplex, the focus inge to the habitat.



describe types of vironments that ompare those to eir environments. nds of plants and lon Earth are no re. Clarification s should focus on e features. State Identification of cific present-day amic processes, or in state assessment.



6.MS-LS4-2

54-1