



MATH NEWS



LAFAYETTE
PARISH SCHOOL SYSTEM

Algebra I, Module 3, Topic D

Algebra I

Module 3: Linear and Exponential Functions

Math Parent Letter

This document is created to give parents and students a better understanding of the math concepts found in Eureka Math (© 2013 Common Core, Inc.) that is also posted as the Engage New York material which is taught in the classroom. Module 3 of Eureka Math (Engage New York) has students extend their study of functions to include function notation and the concepts of domain and range.

They explore many examples of functions and their graphs, numerically, symbolically, and verbally; translate between representations; and understand the limitations of various representations.



Focus Area Topic D

Using Functions and Graphs to Solve Problems

Words to Know

Linear Function: Has a General Form of $f(x) = ax + b$.

Exponential Function: Has a General Form of $f(x) = a(b^x)$.



Focus Area Topic D:

Using Functions and Graphs to Solve Problems

Lesson 21: Comparing Linear and Exponential Models Again
Video coming soon

Lesson 22: Modeling an Invasive Species Population

Introduction to lesson:

<http://nas.er.usgs.gov/queries/SpeciesAnimatedMap.aspx?speciesID=963>

Exit Ticket Video Link:

<http://youtu.be/3w0dn3zZ60>

Lesson 23: Newton's Law of Cooling

During the lesson:

<http://demonstrations.wolfram.com/NewtonsLawofCooling/>

Problem Set:

<http://demonstrations.wolfram.com/TheCoffeeCoolingProblem/>

Exit Ticket Video Link:

<http://youtu.be/1d3dY9nUoDU>

Lesson 24: Piecewise and Step Functions in Context

During the lesson:

http://www.albanyairport.com/parking_rates.php

Exit Ticket Video Link

<http://youtu.be/EWF6fYhLlsM>



