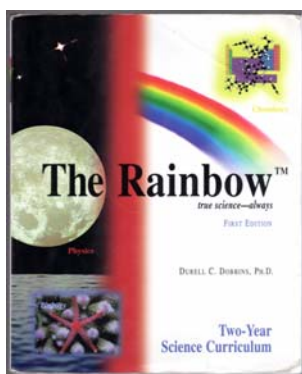


Curriculum Conversion Chart for Rainbow Science Curriculum

Are you using another curriculum alongside the eScience program? This match-up sheet will help you really bring the scientific principles from your textbook to life and show you which experiments and activities work best with the chapter you are on.

*Note: **The eScience program does not cover creation nor evolution** so ALL families can participate. The conversion charts we provide are for most requested texts from our members. For other curriculums, simply email us your TOC and we'll create a conversion chart for you.*



The Rainbow Science Curriculum, by Durell C. Dobbins, Ph.D

Inertia and Flying Objects (*Newton's first law of motion*): e-Science Units 1 & 2

Jumping Off of Asteroids in Outer Space (*Newton's second and third laws of motion*): e-Science Units 1 & 2

Gravity and Gravitation: e-Science Unit 1 Lesson 2

Acceleration Due to Gravity: e-Science Unit 2 Lesson 1

Play Ball! (*Motion under two or more forces*): e-Science Unit 1 Lesson 1

Making Waves (*Fluid motion*): e-Camp Flight Lab, e-Science Unit 20

Do Something Useful! (*Introduction of work*): e-Science Unit 4 and 5

Falling Up (*Potential energy*) : e-Science Unit 4 Lesson 1

What's That Got to Do with Being Useful? (*Energy*) : e-Science Unit 4 and 5

The Price of Being Useful (*Energy*) : e-Science Unit 4 and 5

Hide and Seek with an Oofglork (*Energy forms and transformations*)

Conservation of Energy: e-Science Unit 4 and 5 and 13

Forces (*Gravity, electromagnetism and nuclear forces formally introduced*) : e-Science Unit 1 and 10

Electric Force (*Static electricity*) : e-Science Unit 10

To Flow or Not to Flow (*Electrical current*) : e-Science Unit 10

Electric Work (*Electricity and work*) : e-Science Unit 10 and 4 and 5

Magnetic Force (*The relationship between electricity and magnetism*) : e-Science Unit 11

What's Left? (*The nuclear forces*) : e-Science Unit 7 and 8

Count Your Many Protons (*Easy particle physics and the periodic table*) : e-Science Unit 3 and 8

The Proton Repulsion Problem (*Description of the strong nuclear force*): e-Science Unit 3 and 7 Lesson 1

Storing Up Energy Against the Forces (*Potential energy works the same for all forces*) : e-Science Unit 5

Artificial Forces (*Comparing forces generated by us to the natural forces*)

Mass-Energy (*A first easy glimpse at Einstein's relativity, and an intro. to a comparison of the different types of energy in the lessons that follow*) : e-Science Unit 7 Lesson 3

Heat Energy : e-Science Unit 13

Light Energy : e-Science Unit 9

Light and Matter (*How light interacts with matter*) : e-Science Unit 7 Lesson 3 and Unit 9 Lesson 1

Black and White (*Understanding light and its absence*) : e-Science Unit 9

Color (*The physical meaning of color*) : e-Science Unit 9

Changing the Color of an Object (*Pigments*)

The Science of Light Bending (*Ways light can be manipulated*) : e-Science Unit 9