

Carlisle Public Schools, Carlisle, MA 01741 Waters Foundation Project
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CURRICULUM
 LESSON ST/DM CONTEXT - GRADE
 TITLE CONCEPT SUBJECT AREA LEVEL(S)
 AND TOPIC

Rainforest Game	graphing, delays, stocks/flows	ecosystems, math skills	K
Friendship Game	graphing, exponential growth	social competency, math skills	K-2
In and Out Game	STELLA, linear modeling	math	1-8
Bat Game	BOTGs, population dynamics	science, math	2
Tracking the Iditarod	BOTGs	science, math, social studies	2
"Mystery of St. Matthew Island"	BOTGs, population dynamics	ecosystems	3
BOTGs in the Classroom	BOTGs	all disciplines	3
Mammoth Game	BOTGs, exponential decay, goal seeking, STELLA introduction	ice age unit	3
<u>Maniac Magee</u>	BOTGs	language arts	4
<u>The Wartville Wizard</u>	CLDs, Fixes that fail	language arts, social competency	4
Cooling	STELLA, goal seeking	science, math	5
Dilution	exponential decay	science, math	5
Endangered Species	STELLA, population dynamics	science	5
<u>The Day They Parachuted Cats on Borneo</u>	CCs and CLDs, interconnectedness	ecosystems,	5

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Tree Game	BOTGs, population dynamics	math	5
Carbon Dating	exponential decay, STELLA	science	6
Connection Circles in Literature	CCs, CLDs	language arts	6
<u>Tuck Everlasting</u>	STELLA, population dynamics, exponential growth	language arts	6
Epidemics Game	BOTGs, s-shaped growth	social studies, science	7
Yeast Model	BOTGs, complex modeling, exponential growth and decay	science	7
Alcohol Model	STELLA modeling	health, math, science	8
EcoFair	BOTGs, CCs, CLDs, and S/F maps	science, math, social studies, language arts	8
Fishbanks	Tragedy of the Commons, BOTGs, STELLA modeling	science, math, social studies	8
Let it Roll	Stocks/flows, STELLA	science, math	8
Linear Algebra	STELLA modeling	math	8
Systems Tools in Science Labs	BOTGs, CCs, and CLDs	science	8