

GMOs and Genetic Engineering Text Set

Articles/Videos/Interactive Text:

So What is Genetic Engineering?

<http://tiki.oneworld.org/genetics/GE6.html>

"Genetically Engineered Salmon Approved for Consumption" by Andrew Pollack

<https://www.nytimes.com/2015/11/20/business/genetically-engineered-salmon-approved-for-consumption.html?r=0>

"Here's what your food would look like if it weren't genetically modified over millennia" by Tanya Lewis

<http://www.businessinsider.com/foods-before-genetic-modification-2015-8/#wild-watermelon-1>

"NASA is hoping for potatoes to take root on Mars" by Dan Collyns

<https://newsela.com/articles/mars-potatoes/id/15773/>

Harvest of Fear

<http://www.pbs.org/wgbh/harvest/viewpoints/>

"Explainer: What is a gene?" by The Conversation

<https://newsela.com/articles/lib-convo-what-is-a-gene/id/27962/>

Seeing Red: The Flavr Savr Tomato

<https://vimeo.com/68929952>

"The Battle Over GMOs" by Alessandra Potenza

http://upfront.scholastic.com/issues/02_08_16/the-battle-over-gmos/

Herbicide

<http://encyclopedia.kids.net.au/page/he/Herbicide>

"PRO/CON: Is it time to label GMO foods?" by Tribune News Service

<https://newsela.com/articles/foodlabel-procon/id/12799/>

"The Debate Over Genetically Modified Foods" by Kerry Sakko

<http://www.actionbioscience.org/biotechnology/sakko.html>

"Passenger pigeons have died out, but scientists may try to make new ones" by Scientific American

<https://newsela.com/articles/passenger-pigeons/id/5054/>

"There's No Getting Around It: The New Chipotle Ad Is Amazing" by Neetzan Zimmerman

<http://gawker.com/theres-no-getting-around-it-the-new-chipotle-ad-is-am-1308234473>

"Florida mom sues food maker over 'natural' label on Goldfish snacks" by Sun Sentinel

<https://newsela.com/articles/goldfish-suit/id/800/>

Genetic engineering

http://www.bbc.co.uk/schools/gcsebitesize/science/aqa_pre_2011/evolution/reproductionrev6.shtml

"Issue Overview: GMOs and engineered food" by Bloomberg

<https://newsela.com/articles/overview-gmos-engineered-food/id/20957/>

"Labels for GMO Foods Are a Bad Idea" by The Editors

<https://www.scientificamerican.com/article/labels-for-gmo-foods-are-a-bad-idea/>

"Scientists make a better potato" by Keith Ridler

<https://www.tweentribune.com/article/tween78/scientists-make-better-potato/>

Overview of the Process of Plant Genetic Engineering

<http://agbiosafety.unl.edu/education/summary.htm>

"Why Aren't G.M.O. Foods Labeled?" by Mark Bittman

<https://opinionator.blogs.nytimes.com/2011/02/15/why-arent-g-m-o-foods-labeled/? r=0>

"From farm to lab to table, a tale of tomatoes and a top banana" by Washington Post

<https://newsela.com/articles/fruits-genetics/id/17887/>

Genetically Modified Foods

<http://learn.genetics.utah.edu/content/science/gmfoods/>

What's wrong with our food system - Birke Baehr

<https://ed.ted.com/lessons/what-s-wrong-with-our-food-system-birke-baehr#review>

GMO Information

<http://www.kidsrighttoknow.com/gmos/>

"Super Sniffer Mice Engineered For Ultra-Powerful Sense of Smell" by Kate Baggaley

<http://www.popsoci.com/super-sniffer-mice-have-ultra-powerful-sense-smell>

"Acreage for Genetically Modified Crops Declined in 2015" by Andrew Pollack

https://www.nytimes.com/2016/04/13/business/acreage-for-genetically-modified-crops-declined-in-2015.html?rref=collection%2Ftimestopic%2FGenetically%20Modified%20Food&action=click&contentCollection=timestopics®ion=stream&module=stream_unit&version=latest&contentPlacement=5&pgtype=collection&r=0

"Issue Overview: Gene editing" by Bloomberg

<https://newsela.com/articles/overview-gene-editing/id/21292/>

"Campbell Labels Will Disclose G.M.O. Ingredients" by Stephanie Strom

https://www.nytimes.com/2016/01/08/business/campbell-labels-will-disclose-gmo-ingredients.html?rref=collection%2Ftimestopic%2FGenetically%20Modified%20Food&action=click&contentCollection=timestopics®ion=stream&module=stream_unit&version=latest&contentPlacement=9&pgtype=collection

"Potato company engineers spuds that are resistant to late blight disease" by Associated Press

<https://newsela.com/articles/potato-gmo/id/23659/>

The American Chestnut

<https://www.readworks.org/article/The-American-Chestnut/94810bf5-e192-4c2a-atfe-35ba9af41cd3#!articleTab:content/>

"Food labels may get more complicated" by Los Angeles Times

<https://newsela.com/articles/ballot-GMOs/id/5723/>

"GMO Crops Don't Harm Human Health, Report Says" by Justin Worland

<http://time.com/4338702/gmo-human-health-safety-genetically-modified-crops/>

"Genetically Modified Salmon: Food or 'Frankenfish'?" by Monique Conrod

<http://teachingkidsnews.com/2014/09/24/6-genetically-modified-salmon-food-frankenfish/>

"Chinese company edits pig DNA, develops piglets that will stay pet-sized" by Los Angeles Times

<https://newsela.com/articles/china-tinypigs/id/12641/>

"How to make a tastier tomato" by Seth Borenstein

<https://www.tweentribune.com/article/tween78/how-make-tastier-tomato/>

"GMOs Are Safe, But Don't Always Deliver On Promises, Top Scientists Say" by Dan Charles

<http://www.npr.org/sections/thesalt/2016/05/17/478415310/top-scientists-say-gmos-are-safe-but-dont-always-deliver-on-promises>

"A grape whose taste makes you think of Ferris wheels and balloons" by Los Angeles Times

<https://newsela.com/articles/fruit-breeding/id/815/>

"Scientists finally figured out how to make tomatoes taste good again" by Mary Beth Griggs

<http://www.popsci.com/genes-hold-secret-tomatoes-lost-flavor>

"GMO Facts: 10 Common GMO Claims Debunked" by Brooke Borel

<http://www.popsci.com/article/science/core-truths-10-common-gmo-claims-debunked>

Trade Books:

Genetic Engineering by Ron Fridell (Lerner Publishing)

Genetic Modification: Should Humans Control Nature? by Leon Gray (Gareth Stevens Publishing)

GMOs by Mary Colson (Gareth Stevens Publishing)

Genetic Engineering: Science, Technology, Engineering by Michael Burgan (Scholastic)

Food Engineering: From Concept to Consumer by Michael Burgan (Scholastic)

Genetics: Breaking the Code of Your DNA by Carla Mooney (Nomad Press)

Genetics: From DNA to Designer Dogs by Kathleen Simpson (National Geographic)

*Access to even a small number of trade books on the topic will dramatically increase students' reading volume during Bends II and III.