

NGSS MS-LS1-5

Curriculum Bundle

How Environmental and Genetic Factors
Influence Organism Growth

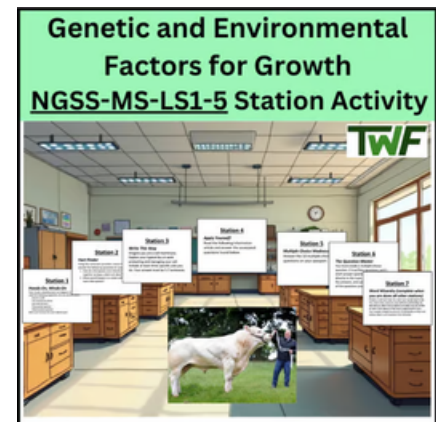
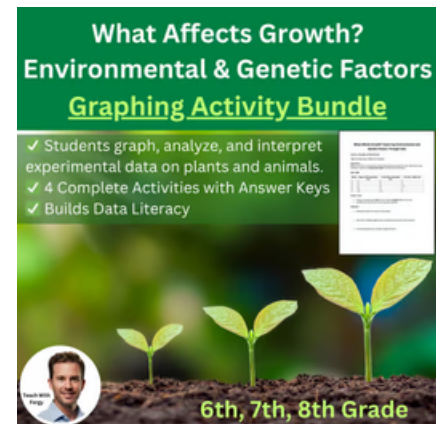


Resources Included

✓ 2 Lessons

✓ 8 Activities

- Why Do Organisms Grow Differently? Lesson
- Genetic Technologies and Gene Therapy Introduction Lesson
- Genetic and Environmental Factors and Growth Station Activity
- Human Impact on Ecosystems Lab Experiment Ecobottles
- What Affects Growth - Exploring Environmental and Genetic Factors Through Data Activity
- Crash Course Biology Video Worksheet Nature Nurture Not That Simple
- Crash Course Biology Video Worksheet How Genes Express Themselves
- Genetically Modified Organisms Reading
- Genetics and Gene Therapy Reading
- Physical Adaptations Reading



Everything You Need to Teach NGSS MS-LS1-5

Why Do Organisms Grow Differently? Lesson 6th, 7th, 8th Grade

- ✓ Why Do Organisms Grow Differently: Genetic and Environmental Factors.
- ✓ Student + Teacher Versions - Office, Google, and PDF Versions
- ✓ Multimedia-Rich Lesson with No Prep Required



Teach With A Purpose

What Affects Growth? Environmental & Genetic Factors Graphing Activity Bundle

- ✓ Students graph, analyze, and interpret experimental data on plants and animals.
- ✓ 4 Complete Activities with Answer Keys
- ✓ Builds Data Literacy

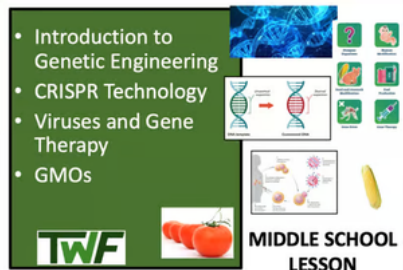


6th, 7th, 8th Grade

Teach With A Purpose

Genetic Technologies and Gene Therapy

- Introduction to Genetic Engineering
- CRISPR Technology
- Viruses and Gene Therapy
- GMOs



TWF MIDDLE SCHOOL LESSON

Genetic and Environmental Factors for Growth NGSS-MS-LS1-5 Station Activity



TWF

Human Impact on Ecosystems Assignment

Ecology Inquiry-Based Project

- ✓ Inquiry-Based Ecosystem Project
- ✓ Customizable & Device-Friendly
- ✓ Includes Rubric & Topic Choices
- ✓ Ideal for Grades 5-9



Teach With A Purpose

Human Impact on Ecosystems Inquiry Lab Experiment

Let your kids explore the scientific method with a hands-on Ecosystem Lab

Includes

- Full task overview with pictures
- Description of lab report components
- Scaffold your students' learning
- Have your kids learn to design and carry out an experiment
- Complete rubric marking scheme
- Teaching and student versions in Word, Google, and PDF formats



TWF

Reading Comprehension Passage & Questions

Physical Adaptations

6th, 7th, and 8th Grade Science

- ✓ No Prep, Ready-to-Use Resource in Google and Office Format
- ✓ Includes Comprehension and Extension Questions



Teach With A Purpose

Crash Course Biology 2.0 #32: Genetic Traits: Nature? Nurture? Not That Simple.

- ✓ Classroom Ready - Just Print and Go!
- ✓ Active Engagement - Keep Students' Attention
- ✓ Direct Video Link Included

WATCH VIDEO



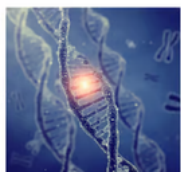
Includes Student Copy and Answer Keys

Teach With A Purpose

Crash Course Biology 2.0 #36: How Genes Express Themselves

- ✓ Classroom Ready - Just Print and Go!
- ✓ Active Engagement - Keep Students' Attention
- ✓ Direct Video Link Included

WATCH VIDEO



Includes Student Copy and Answer Keys

Teach With A Purpose

Genetically Modified Organisms

Scientific Reading Comprehension Article and Extension Activity – Grades 5-7



Improve your students Literacy and Analysis Skills, use as an Emergency Substitute Plan or create Applicability in your classroom

Genetics and Gene Therapy

Scientific Reading Comprehension Article



Improve your students Scientific Literacy and Analysis Skills, use as an Emergency Substitute Plan or create Applicability in your classroom

The Standard is Explained and the Resources it Incorporates are Outlined

Next Generation Science Standards Package MS LS1 From Molecules to Organisms: Structures and Processes

MS-LS1-5. Construct a scientific explanation based on evidence for how environmental and genetic factors influence the growth of organisms. [Clarification Statement: Examples of local environmental conditions could include availability of food, light, space, and water. Examples of genetic factors could include large breed cattle and species of grass affecting growth of organisms. Examples of evidence could include drought decreasing plant growth, fertilizer increasing plant growth, different varieties of plant seeds growing at different rates in different conditions, and fish growing larger in large ponds than they do in small ponds.] [Assessment Boundary: Assessment does not include genetic mechanisms, gene regulation, or biochemical processes.]

Resources:

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Genetic and Environmental Factors for Growth NGSS-MS-LS1-5 Station Activity



Who is this Bundle for?

- **Teachers who teach middle school science and use the NGSS**
- **Teachers who want multiple resources at their fingertips including lessons and a variety of activities, in order to meet the standard**
- **Teachers who don't have time to develop their own resources or organize what to teach and when**