

NGSS HS-LS1-3

Curriculum Bundle

Maintaining Homeostasis

- ✓ 3 Lessons and 2 Activities
- ✓ Everything You Need to Teach NGSS HS-LS1-3



Resources Included

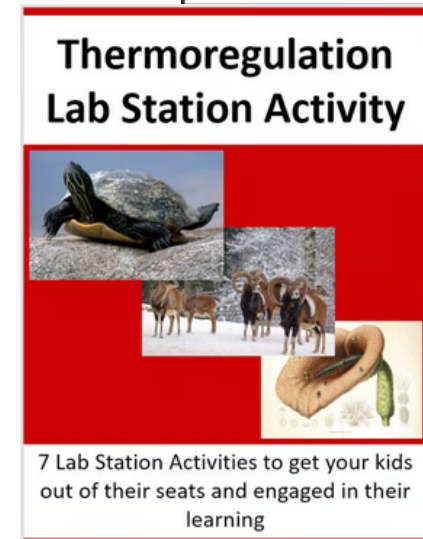
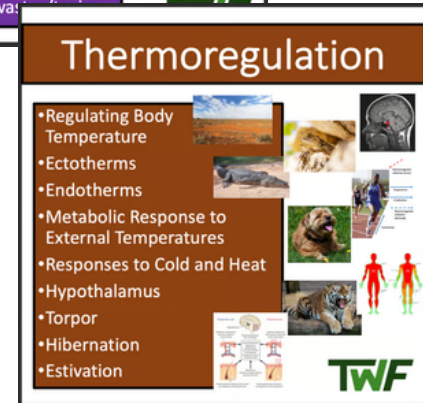
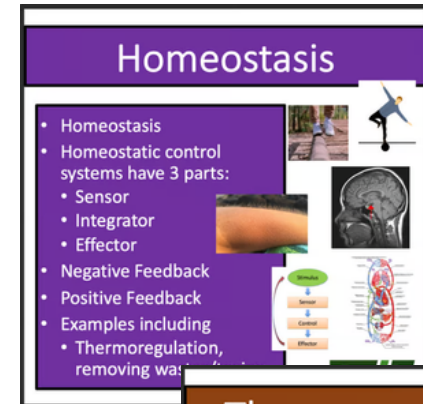


3 Lessons



2 Activities

- Homeostasis – Lesson
- Thermoregulation – Lesson
- The Urinary System - Lesson
- Thermoregulation - Lab Station Activity
- The Excretory System - Digital INB Pages



UPGRADE to the Bundle

CLICK HERE



This Bundle:

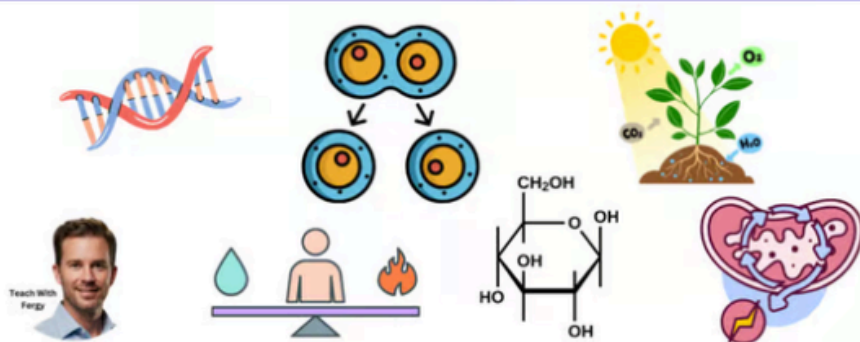
- ✓ Covers the entire NGSS HS-LS1 Standard
- ✓ Includes Many Lessons, Activities, Projects, and More
- ✓ Is No Prep & Fully Editable

NGSS HS-LS1

**Molecules to Organisms:
Structures & Processes**

Full Standard BUNDLE

- ✓ Everything You Need to Teach NGSS HS-LS1
- ✓ Lessons, Activities, Labs, Projects, and more
- ✓ HS-LS1-1, LS1-2, LS1-3, LS1-4, LS1-5, LS1-6, LS1-7



Everything You Need to Teach NGSS HS-LS1-3

Thermoregulation

- Regulating Body Temperature
- Ectotherms
- Endotherms
- Metabolic Response to External Temperatures
- Responses to Cold and Heat
- Hypothalamus
- Torpor
- Hibernation



TWF

Thermoregulation Lab Station Activity



7 Lab Station Activities to get your kids out of their seats and engaged in their learning

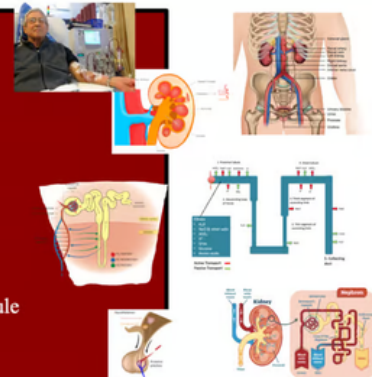
Homeostasis

- Homeostasis
- Homeostatic control systems have 3 parts:
 - Sensor
 - Integrator
 - Effector
- Negative Feedback
- Positive Feedback
- Examples including
 - Thermoregulation, removing wastes/toxins



The Urinary System

- The Kidney
- The Bladder
- The Nephron
- Formation of Urine
 - Proximal Tubule
 - Loop of Henle
 - Distal Tubule
 - Collecting Duct
- Secretion – Distal Tubule
- Water Balance
- ADH
- Blood Pressure and pH Balance
- Kidney Disease

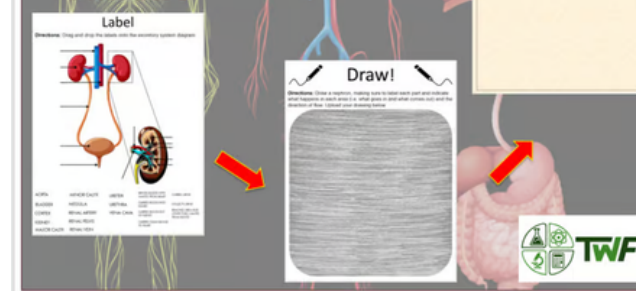


TWF

Chapter 4: The Excretory System

Digital Interactive Notebook Pages

- 100% Digital and Interactive
- Perfect for your Google Classroom or Microsoft OneDrive



The Standard is Explained and the Resources it Incorporates are Outlined

HS LS1 From Molecules to Organisms: Structures and Processes

Note: There may be resources that overlap between the standards. Simply choose the order that best fits your classroom. Also, there are more resources here than you will most likely decide to use. I have provided extra so you can make the best decision for your students on what is best to include.

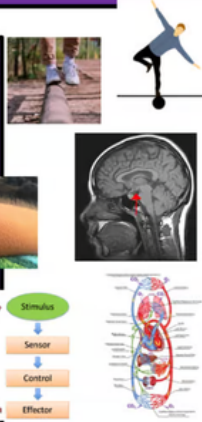
MS-LS1-3. Plan and conduct an investigation to provide evidence that feedback mechanisms maintain homeostasis. [Clarification Statement: Examples of investigations could include heart rate response to exercise, stomate response to moisture and temperature, and root development in response to water levels.] [Assessment Boundary: Assessment does not include the cellular processes involved in the feedback mechanism.]

Resources:

- Homeostasis – Lesson
- Thermoregulation – Lesson
- The Urinary System - Lesson
- Thermoregulation - Lab Station Activity
- The Excretory System - Digital INB Pages

Homeostasis

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Thermoregulation

- Regulating Body Temperature
- Ectotherms
- Endotherms
- Metabolic Response to External Temperatures
- Responses to Cold and Heat
- Hypothalamus
- Torpor
- Hibernation
- Estivation



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Thermoregulation Lab Station Activity



7 Lab Station Activities to get your kids out of their seats and engaged in their learning

Who is this Bundle for?

- **Teachers who teach high 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**