

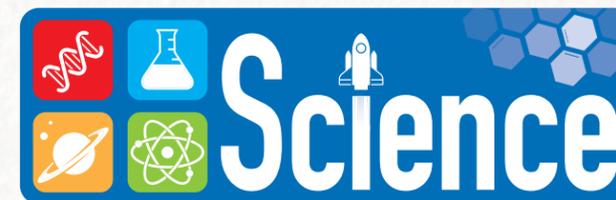
## Personalized Learning Plan

- Creates an Adaptive, Personalized, Accelerated Learning Plan for each student
- Starts review with Readiness Standards followed by Supporting Standards

Description	Practice Test	Lock/Unlock
5 <sup>th</sup> Grade STAAR Practice Test	75%	

## Accelerated Personalized Learning Plan

TEKS	Description	Pre-test	Concept Review	Vocabulary Boosters	Post-test
5.8C	Earth's Rotation	54%	✓	80%	75%
5.7A2	Fossil Fuel Formation	60%	✓	85%	82%
5.6B	Flow of Electricity	61%	✓	100%	85%
5.9B	Energy Flow in Food Chains and Food Webs	49%	✓	84%	65%
 4.9B	Flow of Energy in Food Webs	83%	✓	100%	91%
5.7B	Changing Landforms	68%	✓	92%	88%
5.6C	Light – Reflection and Refraction	70%	✓	82%	91%
5.10A	Structures and Functions for Living and Survival	65%	✓	83%	86%
5.5A	Physical Properties of Matter	83%	✓	91%	Ⓢ Start
5.7A	Sedimentary Rock Formation	Ⓢ Start	▶	Ⓢ Start	Ⓢ Start
5.9A	Interacting with Living and Nonliving Components	Ⓢ Start	▶	Ⓢ Start	Ⓢ Start
5.10B	Inherited Traits vs. Learned Behaviors	Ⓢ Start	▶	Ⓢ Start	Ⓢ Start
3.7B	Rapid Changes to Earth's Surface	Ⓢ Start	▶	Ⓢ Start	Ⓢ Start



Enabling Every Student to Reach Their Summit

# 3<sup>RD</sup> - 5<sup>TH</sup> GRADE MASTERY & STAAR<sup>®</sup> REVIEW



MEETS GRADE LEVEL



MASTERS GRADE LEVEL

- Engaging Science TEKS Video Lessons
- Interactive Vocabulary Flashcards for all TEKS
- Including Content, Process, and Instructional Words
- STAAR<sup>®</sup> 2.0 Formative and Summative Assessments
- Includes all HB 3906 New Item Types
- Adaptive Personalized Learning Plans

**School Domain 1 Science Score of 60% "A" Guaranteed**



**100% PASSING RATE GUARANTEE**

# RIGOROUS FIVE-STEP STAAR® REVIEW SEQUENCE

## 1 Teacher Led TEKS Lesson & Study Guide



## 2 STAAR® Assessment 1

Go to question # 1 2 3 4 5 6 7 8

QUESTION 3

Look at the table below. Which substance is most likely to be salt? [5.3A]

Substance	Sweet?	Solid?	White Color?
A	Yes	Yes	Yes
B	Yes	No	Yes
C	No	No	Yes
D	No	Yes	Yes

Select one:

a. Substance C

b. Substance D

c. Substance A

d. Substance B

## 3 TEKS Instructional Video/ Interactive Study Guide

Testable Physical Properties

Solubility is the ability to dissolve.

TEKS-5-5A

## 4 Vocabulary Review Interactive Flashcards

PROPERTIES OF MATTER

When a raw egg is cooked, a new **Select** is formed.

PROPERTIES OF MATTER

**Select** is the amount of matter in an object that can be measured with a triple-beam balance.

Compare and Contrast Physical Properties TEKS 5.5A

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

**CORE VOCABULARY**

conduct	physical states	observable
insulate	relative density	volume
magnetism	solubility	thermal energy
mass	measurable	electric energy
	testable	

Write the Core Vocabulary word on the blank next to its definition.

- \_\_\_\_\_ The term that describes the ability of a substance to dissolve in water.
- \_\_\_\_\_ It is the ability to stop heat or electricity from passing through easily.
- \_\_\_\_\_ A term used to describe solid, liquid and gas.
- \_\_\_\_\_ The property that determines if an object will float or sink.
- \_\_\_\_\_ The property that describes the object's attraction to a magnet.
- \_\_\_\_\_ A material that easily allows for the flow of heat and electricity.

**APPLY**

Look for an object in the classroom and name its physical properties. Explain all the properties you can use to describe it, including mass, magnetic, relative density, state of matter, soluble, and ability to conduct or insulate thermal and electric energy. Find another object and compare its physical properties to the first object.

TEKS	Lesson Name	STAAR Assessment 1	TEKS Video	Study Guide	Vocabulary Review	STAAR Assessment 2	Lock/Unlock
<b>Properties of Matter</b>							
5.5A <b>R</b>	<b>Physical Properties of Matter</b>	71%	✓	82%	80%	88%	🔒
4.5A	Measure, Compare, and Contrast Physical Properties	88%	✓	85%	83%	91%	🔒
3.5A	Physical Properties of Matter	91%	✓	94%	90%	100%	🔒
3.5C <b>S</b>	<b>Heating and Cooling Cause Change</b>	100%	✓	100%	100%	100%	🔒

## 5 STAAR® Assessment 2

QUESTION 4

The table shows the physical characteristics of a steel and wooden block.

Physical Characteristics	
Steel Block	Wooden Block
<ul style="list-style-type: none"> <li>• cube</li> <li>• more dense</li> <li>• insulates electricity</li> <li>• magnetic</li> </ul>	<ul style="list-style-type: none"> <li>• cube</li> <li>• less dense</li> <li>• conducts electricity</li> <li>• not magnetic</li> </ul>

Which physical characteristics are not correctly listed? [5.2D]

Select one:

a. Steel Block-magnetic; Wooden block- not magnetic

b. Steel Block-cube; Wooden Block-cube

c. Steel Block-more dense; Wooden Block- less dense

d. Steel Block-insulates electricity; Wooden Block-conducts electricity

## READINESS 5.5A

Physical Properties of Matter

**Measurable**

**Mass**

Mass is the amount of matter in an object.

The marbles have the same mass as the weights.

The sand has more mass than the sugar.

**Other measurable properties:**

- Size
- Temperature
- Weight

**Testable**

**Solubility**

Sugar dissolves in water.

**Conductivity**

Copper is a conductor. Rubber is an insulator.

**Magnetism**

Magnetism is a force that pulls iron filings toward the magnet.

**Relative Density**

The density of water is greater than the density of oil, so oil floats on water.

**Observable**

**Physical States of Matter**

The particles in solids, liquids, and gases move differently.

**Other observable properties:**

- Color
- Shape
- Texture

conductor magnetism matter relative density insulator mass physical states solubility

## VERTICALLY ALIGNED SCAFFOLDS

Measure, Compare, and Contrast Physical Properties

Matter is anything that has mass and takes up space. Physical properties help you measure, compare, and contrast all matter.

**can be measured**

**Mass**

amount of matter in an object

**Volume**

amount of space something takes up

**Temperature**

amount of heat in an object

**can be observed**

**States of Matter**

solid

liquid

gas

**can be tested**

**Magnetism**

force that pulls or pushes objects through a distance

**Sink or Float**

sink – more dense than water

float – less dense than water

float magnetism mass matter physical property sink states of matter temperature volume

Physical Properties of Matter

Matter is anything that has mass and takes up space. Physical properties can be used to measure or test an object's characteristics.

**physical properties that can be measured**

**temperature**

the amount of heat in an object

**mass**

the amount of matter in an object

**physical properties that can be tested**

**magnetism**

a force that attracts or repels other objects

**sink or float**

sink – more dense than water; float – less dense than water

float magnetism mass matter physical properties sink temperature

## SUPPORTING 3.5C

Heating and Cooling Cause Change

**Melting**

My Favorite

add heat

**Freezing**

remove heat

**Boiling**

Brother Eats

add heat

**Evaporation**

add heat

**Condensation**

Chocolate

remove heat

**Changing States of Matter**

solid → melting → liquid → evaporating → gas → condensing → liquid → freezing → solid

boiling condensation evaporation physical change melting freezing

heat melting evaporation physical change freezing

