



AcadeMir Charter Schools

2024 SUMMER
8th GRADE PACKET



AcadeMir Charter School West 2024 Summer Learning Requirements

Dear Parent(s)/Guardian(s),

In preparation for the 2024 – 2025 school year and to ensure that our students maintain growth-oriented academia during the summer, the school curriculum team has created the following Summer Learning assignment for each student to complete by the first day of school. Each student must complete the Summer Learning Packet over the summer and turn it in to your classroom teacher by August 23, 2024.

Summer Reading

ACSW students will be expected to read the novel from the reading list for their incoming grade level. For example, if your child is entering 1st grade in the fall, he/she would read the 1st grade novel and complete the activity. Please note that this assignment will be worth one grade for Reading and one grade for Language Arts.

Mathematics Activities

ACSW students are required to complete the mathematics packet that pertains to their incoming grade level and/or assignment. For example, if your child is in the Accelerated Mathematics course in the elementary level, he/she needs to complete the Accelerated packet. For middle school, Algebra, Geometry, etc. is separated from the ELA, Science, and Social Studies packet. Please ensure that you do all the components.

Thank you for your partnership in ensuring your child continues to strive for excellence over the summer!
We look forward to an outstanding 2024 – 2025 school year!

Sincerely,

Susie Bello, Principal
AcadeMir Charter School West
bello@academircharterschoolwest.com

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ACADEMIR SUMMER READING 2023-2024

Summer provides a plethora of opportunities for students and their families to enjoy unforgettable books and create lifetime memories.

AcadeMir students entering K-8th grade are required to read from the summer reading lists developed by our Academic Team for the upcoming grade.

Creating lifelong readers is one of the greatest gifts that we can give our children. We want our students to have a fun summer break while also pursuing reading for enjoyment at the same time.

Research has shown that the single greatest factor in predicting reading success is whether a child is read to when they are young. All of our students are to read the selected book for their grade.

These assignments are for a grade and should be completed and turned in to your student's new ELA teacher by Friday, August 23rd.

Happy Reading and enjoy your summer break!!!

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2024 Summer Reading List

Grade	Summer Reading	Author	Book Synopsis	Front Cover
Kindergarten	Swimmy	Leo Lionni	Deep in the sea there lives a happy school of little fish. Their watery world is full of wonders, but there is also danger, and the little fish are afraid to come out of hiding . . . until Swimmy comes along. Swimmy shows his friends how—with ingenuity and teamwork—they can overcome any danger.	
First Grade	From Seed to Pumpkin	Wendy Pfeffer	Pumpkins can be baked in a pie, carved into jack-o'-lanterns, and roasted for a healthy snack. But how does a tiny seed turn into a big pumpkin? With clear text and detailed, colorful illustrations, this book explains what a pumpkin seed needs to help it grow!	
Second Grade	Mango, Abuela, and Me	Meg Medina	Mia's abuela has left her sunny house with parrots and palm trees to live with Mia and her parents in the city. The night she arrives, Mia tries to share her favorite book with Abuela before they go to sleep and discovers that Abuela can't read the words inside. Then Mia sees a parrot in the pet-shop window and has the perfect idea for how to help them all communicate a little better.	
Third Grade	The Boxcar Children	Gertrude Chandler Warner	The Aldens begin their adventure by making a home in a boxcar. Their goal is to stay together, and in the process, they find a grandfather.	
Fourth Grade	The Lion, the Witch and the Wardrobe	C.S. Lewis	Narnia... the land beyond the wardrobe door, a secret place frozen in eternal winter, a magical country waiting to be set free. Lucy is the first to find the secret of the wardrobe in the professor's mysterious old house. At first her brothers and sister don't believe her when she tells of her visit to the land of Narnia. wardrobe themselves.	

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2024 Summer Reading List

Grade	Summer Reading	Author	Book Synopsis	Front Cover
Fifth Grade	The City of Ember	Jeanne DuPrau	Many hundreds of years ago, the city of Ember was created by the Builders to contain everything needed for human survival. It worked...but now the storerooms are almost out of food, crops are blighted, corruption is spreading through the city and worst of all— the lights are failing. Soon Ember could be engulfed by darkness...	
Sixth Grade	Hatchet	Gary Paulsen	Brian is on his way to Canada to visit his estranged father when the pilot of his small prop plane suffers a heart attack. Brian is forced to crash-land the plane in a lake--and finds himself stranded in the remote Canadian wilderness with only his clothing and the hatchet his mother gave him as a present before his departure.	
Seventh Grade	Old Yeller	Fred Gipson	At first, Travis couldn't stand the sight of Old Yeller. The stray dog was ugly, and a thieving rascal, too. But he sure was clever, and a smart dog could be a big help on the wild Texas frontier, especially with Papa away on long cattle drive up to Abilene.	
Eighth Grade	The Swiss Family Robinson	John David Wyss	The Robinsons leave their home in Switzerland planning to settle half a world away. But things do not turn out as they had expected. The sole survivors of a terrible shipwreck, they wash ashore to learn that the danger has only begun. Their new world will test their courage, cleverness, endurance, and faith as they struggle to survive and create a civilization of their own in the wilderness.	
Ninth Grade	1984	George Orwell	The scene is London, where there has been no new housing since 1950 and where the city-wide slums are called Victory Mansions. Science has abandoned Man for the State. As every citizen knows only too well, war is peace. To Winston Smith, a young man who works in the Ministry of Truth (Minitru for short), come two people who transform this life completely.	



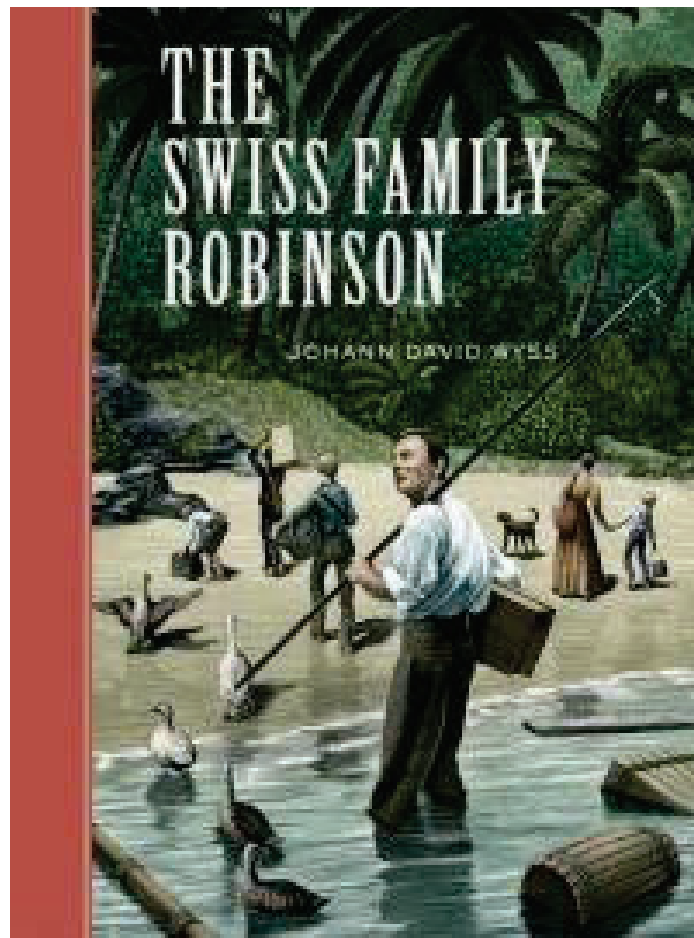
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ELA

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Eighth Grade



The Robinsons leave their home in Switzerland planning to settle half a world away. But things do not turn out as they had expected.

The sole survivors of a terrible shipwreck, they wash ashore to learn that the danger has only begun. Their new world will test their courage, cleverness, endurance, and faith as they struggle to survive and create a civilization of their own in the wilderness.

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WRITE A COMPLETE RESPONSE FOR THE FOLLOWING QUESTIONS

Students Name: _____

Date: _____

Title of book and authors name:

Describe the setting of the book:

State the main character's name and describe the character:

What does that character value?

What is that character's personality like?

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On a scale from 1-10 (10 being the best book you've ever read), how would you rate this book? Explain your reasoning.

List the sequence of events in the story. Circle the conflict, highlight in yellow the main idea, underline the resolution, and highlight in orange the main characters.

Summarize the story on a separate sheet of paper.



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SCIENCE

Rocks

Name _____ Class _____ Date _____

1

Metamorphic rocks

are rocks that have changed due to _____.



- A cold temperatures
- B sediment breaking apart
- C heavy rainfall
- D heat and pressure

2

Which of the following is **not** classified as a **metamorphic rock**?

- A limestone
- B quartzite
- C slate
- D marble



3

Which of the following is **not** a **sedimentary rock**?

- A coal
- B pumice
- C limestone
- D conglomerate



4

Igneous rocks that **cool very slowly** have _____ grains.

- A light
- B dark
- C fine
- D coarse



5

The _____ shows how different **natural processes transform** rocks from **one rock type to another**.

- A rock cycle
- B metamorphic cycle
- C erosion and weathering cycle
- D intrusive and extrusive cycle

6

_____ metamorphism occurs when **intense pressure**, such as mountain formation, **changes large areas of rock**.

- A contact
- B chemical
- C mafic
- D regional



7

Dark igneous rocks are called _____ and have high concentrations of magnesium.

- A mafic
- B felsic
- C foliated
- D clastic



8

Light igneous rocks are called _____ and have a high concentration of _____.

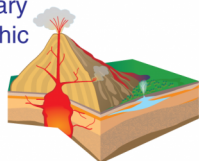
- A mafic, magnesium
- B felsic, magnesium
- C mafic, silica
- D felsic, silica



9

Rock formed from **erupting lava that cools** is called _____.

- A extrusive sedimentary
- B intrusive metamorphic
- C extrusive igneous
- D intrusive igneous



10

_____ **sedimentary rocks** form through **precipitation or crystallization of dissolved minerals**.

- A clastic
- B intrusive
- C organic
- D chemical





8th Grade Summer Science Activity

“The Study of Rocks”

Introduction

Welcome to the fascinating world of rocks! Rocks are much more than just the hard ground beneath our feet – they hold secrets of Earth's history, reveal clues about its formation, and even provide valuable resources. In this activity, we'll dive into the diverse world of rocks, exploring their different types, how they form, and the incredible role they play in shaping our planet.

Materials Needed

- Activity Worksheets
- YouTube Video – [link here](#)

Procedures

1. Review the two worksheets you will need to complete.
2. Watch the YouTube video (link provided in Materials Needed section)
3. Complete the two worksheets

Your Task

Watch the YouTube video and complete the two activity sheets on the Study of Rocks. These must be turned in to your teacher by August 23rd, 2024.

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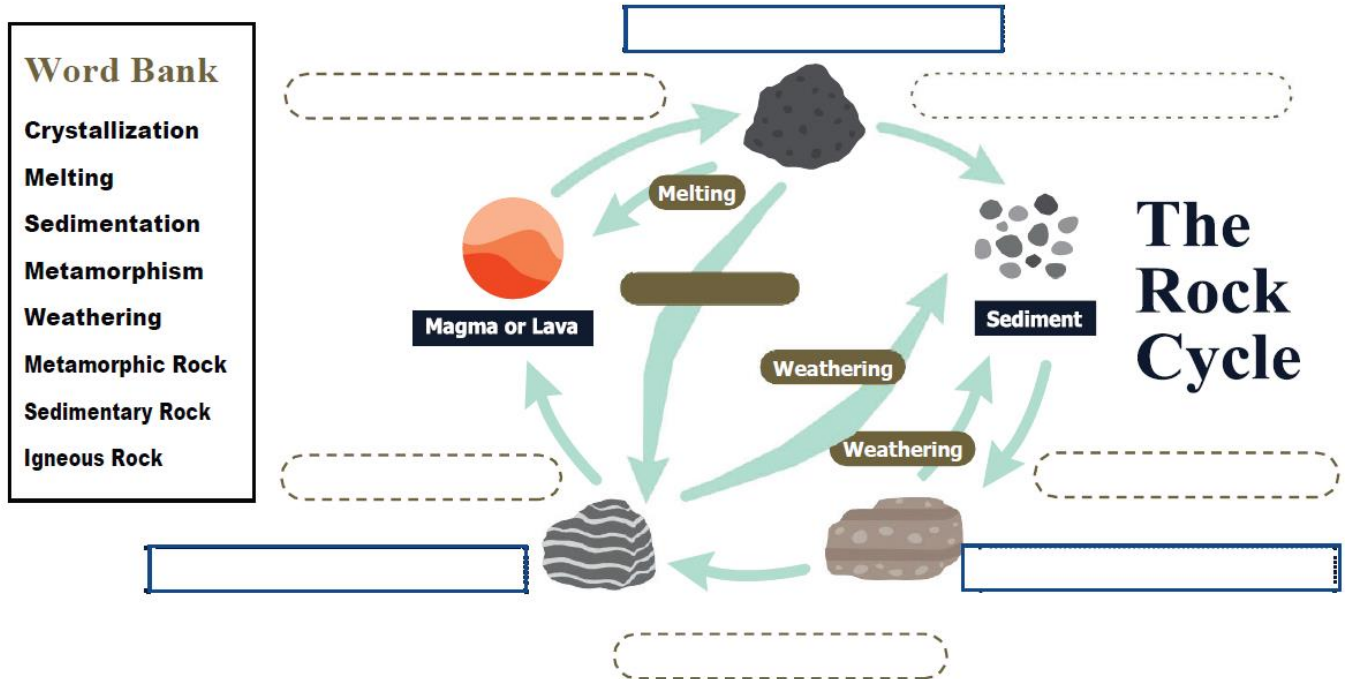
Student Name _____

The Rock Cycle: Energy Flow

Show what you know about the rock cycle by answering the questions below.



1. **Label the Diagram:** Use the word bank to label the diagram below. You will write each of the vocabulary terms from the work bank once.



2. Which process in the rock cycle are powered by Earth's internal heat? Explain how you know.

3. Several processes in the rock cycle, such as weathering and erosion, are not powered by Earth's internal heat. Where does the energy for these processes ultimately come from? Explain how you know.

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Student Name _____

The Rock Cycle: Vocabulary



Show what you know about the rock cycle!
Match each vocabulary term to its definition
by writing the correct letter on the line.

- | | |
|----------------------------|---|
| 1. _____ Melting | A. When a rock on Earth's surface is broken into smaller pieces, forming loose material |
| 2. _____ Crystallization | B. When temperature and pressure cause some minerals in the rock to break down and others to form |
| 3. _____ Weathering | C. When solid rock turns into molten, or liquid, rock |
| 4. _____ Sedimentation | D. Molten rock that breaks through Earth's surface |
| 5. _____ Metamorphism | E. When magma and lava cool and harden into solid rock |
| 6. _____ Erosion | F. Rock that forms as a result of sedimentation |
| 7. _____ Deformation | G. When layers of sediment are compacted and cemented together over time to form rock |
| 8. _____ Magma | H. When pieces of rock are carried away by running water, wind, or ice |
| 9. _____ Lava | I. Rocks that form through metamorphism |
| 10. _____ Igneous Rock | J. When rocks change shape due to compression or tension in Earth's crust |
| 11. _____ Sedimentary rock | K. Rock that forms when lava or magma crystalizes |
| 12. _____ Metamorphic rock | L. Molten rock that is underground |