Arbor Hills Junior High
Summer Course Recovery Recommended Work 2025

Below is a list of the summer recovery work that has been recommended by Arbor Hills Teachers. If your student has failed core classes this school year, the teachers believe this work will touch on the most important standards covered this school year that your student will need to know for future classes.

All online assignments using IXL should be completed by July 15th. Students will login to IXL through the Clever portal using their school google login. Any hard copies of work completed may be turned into the Main Office during August or returned the first day of school. If worksheets/packets are done electronically they can be emailed to **pnafziger@sylvaniaschools.org** subject: summer work

6th Grade

English:
Students would benefit from completing the following IXL online:
Students should complete the IXL lesson with a smart score of at least 80. If a student spends more than 40 minutes on a lesson, they can move on. Please be certain you log in to IXL before you begin working.

- B.1 Match the quotations with their themes
- E.5 Classify figures of speech
- F.2 Vocabulary review: Analyze short stories
- G.1 Read and understand informational passages
- G.2 Vocabulary review: Read and understand informational passages
- G.3 Trace an argument for
- H.1 Compare information from two texts
- K.3 Identify supporting details in informational texts
- K.4 Identify supporting details in literary texts
- P.1
- Use Greek and Latin roots as clues to the meanings of words

Math:
Students would benefit from completing the following IXL online:
Students should complete the IXL lesson with a smart score of at least 80. If a student spends more than 30 minutes on a lesson, they can move on. Please be certain you log in to IXL before you begin working.

- GCF and LCM: word problems
- Evaluate Exponents
- Graph and Compare-fractions-on-number-lines (this is a 5th grade IXL that is still appropriate for 6th grade)
- Write a ratio: word problems
- Solve Proportions
- Unit Rates
- Inequalities /Decimal
- Convert between Percents, Fractions & Decimals
- Part of a Percent
- Percents of Numbers: Word Problems
- Convert between improper fractions and mixed numbers
- Add, Subtract, Multiply, Divide Fractions: Word Problems
- Write inequalities from number lines

- Which x satisfies an equation?
- Write variable expressions: word problems
- Graph Points on a Coordinate Plane
- Compare Integers
- Multiply Using the Distributive Property
- Complete a Table and Graph a Two-Variable Equation
- Area of Triangles
- Volume of cubes and Rectangular Prisms
- Box Plots
- Calculate Mean, Median, Mode and Range

If you prefer to purchase a workbook, we suggest purchasing one of these 6th grade resources:

- https://www.summerskills.com/products/
- **Amazon** Workbook Link

Science:

Students need to complete the following linked Gizmos and Edcite on the necessary skills they will need to know for Science: For Gizmos do activity A and B only. You can search the gizmo website for each gizmo by name and the worksheets are linked below. Gizmo generic username: SummerW147 password: wind147

- Gizmo homepage
- Edcite homepage
- Measuring Motion Gizmo
- Distance Time Graphs Gizmo
- Phases of Water Gizmo
- Potential Energy on Shelves Gizmo
- Mineral Identification Gizmo
- Rock Cycle Gizmo
- Rock Classification Gizmo
- Cell Structure Gizmo
- Skate Park Edcite
- Cell Structure Edcite

Students will also benefit from reviewing the following quizlets and quizizz:

- Lab Safety Quizizz
- Scientific Thinking Quizizz
- Speed and Motion Quizizz
- Introduction to Matter Quizizz
- Phases of Matter Quizizz
- Energy Quizizz
- Minerals Quizizz
- Rocks Quizizz
- What is Life/Cells Quizizz

Social Studies:

Students will benefit from completing the following linked packets on the necessary skills/information they will need to know for Social Studies next year:

- Map Packet
- Religions Reading Packet
- Religions Questions

Students will also benefit from reviewing the following Quizlets, Kahoots, and Quizizz:

- Geography Quizlet
- Geography
- Cultures of the World
- Ancient Mesopotamia
- Ancient Mesopotamia
- Ancient India
- Ancient India
- Ancient China
- Ancient Egypt
- Ancient Egypt

7th Grade

English:
Students would benefit from completing the following IXL online:
Students should complete the IXL lesson with a smart score of at least 80. If a student spends more than 40 minutes on a lesson, they can move on. Please be certain you log in to IXL before you begin working.

- A.1 Determine the main idea
- C.1 Identify author's purpose
- D.1 Identify the narrative point of view
- D.2 Determine the author's point of view
- I.1 Trace an argument
- K.3 Choose evidence to support a claim
- O.2 Identify thesis statements
- O.3 Choose evidence to support a claim
- O.6 Identify counterclaims
- S.3 Use in-text citations (MLA 8th–9th editions)
- Z.1 Find words using context
- Z.4 Is the sentence simple, compound, complex, or compound-complex?
- FF.1 Identify pronouns and their antecedents

Math:
Students would benefit from completing the following IXL online:
Students should complete the IXL lesson with a smart score of at least 80. If a student spends more than 40 minutes on a lesson, they can move on. Please be certain you log in to IXL before you begin working and go to Level I if the link below does not work

Solve Proportions: word problems/
Percent of a Number: tax, discount, and more/
Find the Percent: tax, discount, and more/
Add and Subtract Rational Numbers/
Multiply and Divide Rational Numbers/
Add, Subtract, Multiply, and Divide Fractions and Mixed Numbers: word problems/
Identify Equivalent Linear Expressions I/
Identify Equivalent Linear Expressions: word problems
Solve Two-Step Equations/jk
Cross Sections of Three-Dimensional Figures/

- Surface Area of Cube and Prisms
- Find measures of complementary, supplementary, vertical, and adjacent angles
- Scale drawings of polygons

Multi-step word problems with positive rational numbers

- Calculate unit rates with fractions
- Identify proportional relationships from graphs and equations
- Make predictions using theoretical probability
- Multiply using the distributive property

If you prefer to purchase a workbook, we suggest purchasing one of these 6th grade resources:

- https://www.summerskills.com/products/
- **Amazon** Workbook Link

Science:

Students need to complete the following linked Gizmos on the necessary skills they will need to know for Science: For Gizmos do activity A and B only. You can search the gizmo website for each gizmo by name and the worksheets are linked below. Gizmo generic username: SummerW147 password: wind147

- Gizmo homepage
- Carbon Cycle Gizmo
- Cell Energy Cycle Gizmo
- Phases of the Moon
- Season's: Why do we have them?
- Food Chain
- Forest Ecosystem
- Circuit Builder
- Chemical Changes
- Longitudinal Waves
- Heat Transfer by Conduction

Social Studies:

Students will benefit from completing the following linked worksheets on the necessary skills/information they will need to know for Social Studies next year:

- Athens vs. Sparta
- Roman Republic
- Roman Culture and Lifestyle
- Justinian Code
- Magna Carta and Hundred Years' War slideshow
- The Renaissance Arts

Students will also benefit from completing the following Quizlets:

- Crusades
- Middle Ages

8th Grade

English:
Students would benefit from completing the following IXL online:
Students should complete the IXL lesson with a smart score of at least 80. If a student spends more than 40 minutes on a lesson, they can move on. Please be certain you log in to IXL before you begin working.

- C.1 Identify author's purpose
- F.1 Analyze short stories
- G.1 Read and understand informational passages
- H.1 Compare information from two texts
- K.4 Identify supporting details in informational texts
- K.5 Identify supporting details in literary texts
- M.2 Create varied sentences based on models
- R.1 Use Greek and Latin roots as clues to the meanings of words
- R.2 Use words as clues to the meanings of Greek and Latin roots
- W.4 Use context to identify the meaning of a word

Math:
Students would benefit from completing the following IXL online.Students should complete the IXL lesson with a smart score of at least 80. If a student spends more than 40 minutes on a lesson, they can move on. (The program will suggest different lessons to work on if you are struggling. Please be certain you log in to IXL before you begin working and go to Level J if the link below does not work.

- Add and subtract rational numbers
- Multiply and divide rational numbers
- Checkpoint: Square and Cube Roots
- Write variable expressions
- Add and subtract like terms
- Evaluate numerical expressions involving integers
- Add and subtract integers
- Multiply and divide integers
- Multiply using the distributive property
- Solving equations: mixed review
- Find the slope of a graph
- Write a linear equation from two points
- Write a linear function from a table
- Checkpoint: Properties of Exponents
- Checkpoint: Scientific Notation
- Pythagorean theorem: Find the missing leg or hypotenuse length
- Checkpoint: Proportional Relationships
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If you prefer to purchase a workbook, we suggest purchasing one of these 8th grade resources:

- https://www.summerskills.com/products/
- **Amazon** Workbook link

**This is in addition to the assignment found on Northview's website for incoming freshmen going into Algebra 1 2B or regular Algebra 1.*

Science: Students need to complete the following linked Gizmos on the necessary skills they will need to know for Science: For Gizmos do activity A and B only. You can search the gizmo website for each gizmo by name and the worksheets are linked below. Gizmo generic username: SummerW147 password: wind147

- Gizmo homepage
- Earth Science
- Gizmo: Building Pangaea
- Plate tectonics webquest
- Gizmo: Weathering
- Gizmo: Topographic Maps
- Life Science
- Gizmo: Natural Selection
- Gizmo: Mouse Genetics
- Gizmo: Chicken Genetics
- Gizmo: Inherita nce
- Physical Science
- Balanced unbalanced force interactive - master level 1 and 2
- Gizmo: Force and Fan Carts
- Gizmo: Magnetism
- Build an Electromagnet - explore the simulation and figure out what variables control the strength of an electromagnet

Social Studies:
Students will benefit from completing the following linked worksheets on the necessary skills/information they will need to know for Social Studies next year:

- No Taxation Without Representation–Slideshow
- John Peter Zenger Trial–Play and Brochure
- Patriot, Loyalist, or Neutral
- Constitutional Convention
- Louisiana Purchase-Slideshow
- Battle of Fallen Timbers
- Manifest Destiny
- First Stages of the Civil War

Students will also benefit from completing the following Quizlets:

- Revolutionary War
- American Civil War