***Week 1, Day 1 – Reasoning Through Language Arts***

Chapter 1: Overview of main idea, cause & effect, text structure, tone, and outlining of a passage

* Introduce the book report format: Who, What, Where, When, Why and How

Chapter 2: How to evaluate arguments, the importance of texts an context clues within a passage and what that translates as

***Week 1, Day 2 – Reasoning Through Language Arts***

Chapter 3: Elements of a story: Plot, characters, setting, theme, POV, inferences, conclusion

Chapter 4: Different kinds of sentences – simple, compound, complex, compound-complex

Walkthrough of 8 parts of speech, give examples of each, define them, the different grammar symbols and punctuation

***Week 1, Day 3 – Reasoning Through Language Arts***

Chapter 5: Organize ideas into paragraphs, relate sentences and paragraphs. Learn about chronology and how to identify the flow of paragraphs

Chapter 6: Writing, planning, drafting your response.

Walkthrough of how to prevent writer’s block, proper way to brainstorm, Template 1 – body of an essay, Template 2 – gather sentences together based of topic sentence details and extend

***Issue Week 1 Homework***

***Week 2, Day 1 – Reasoning Through Language Arts***

Week 1 Homework Walkthrough

Chapter 7 – How to strengthen your sentences, power words, vivid words, elaborate on the importance of vocabulary. Improve the flow and organization of your writing by focusing on relevant details.

***Week 2, Day 2 – ELA & Mathematical Reasoning***

Chapter 8 – Revisit 8 parts of speech and go more in depth

* Noun and pronoun agreement, verbs and tenses, subject-verb agreement, correct use of grammar

Chapter 9 – revisit the different symbols in grammar (: ; , - - ), homonyms, possessive form and contractions.

Go over pronoun list

***Week 2, Day 3 – Mathematical Reasoning***

Chapter 1

Walkthrough of the formula sheet. Tell everyone to write all formulas and concepts down in flash cards.

Chapter 1: Numbers, number theory, word problems (translating words into math expressions), distance

Chapter 2: Fractions (addition, subtraction, division and multiplication), learn how to cross cancel to reduce fractions, concept of the number line

Go over integers and rules (multiplication, addition, subtraction and division)

***Issue Week 2 Homework***

***Week 3, Day 1 – Mathematical Reasoning***

Week 2 Homework Walkthrough

Chapter 3 – Percent, show how to convert from percent to decimal and vice versa.

* Walkthrough of placeholders using decimal system, basic building block of a percentage, walkthrough of the most common types of percentage
* Demonstration how decimals, percentages and fractions can be the same value but written in different ways
* Percent practice problems (increase and decrease), how to find the percentage
* Simple interest

***Week 3, Day 2 – Mathematical Reasoning***

Chapter 4- Graphs (how to read them, interpret them and extract information to solve the problems)

* Different kinds of graphs (linear, pie chart, bar graphs, circle graphs) - what they represent and how they’re used
* Combinations, permutations, histograms

Chapter 5 – Absolute value, scientific notation, PEMDAS (opposites), introduction to algebra (use football example – off sides), polynomials (adding, subtracting, combine like terms and simplifying)

***Week 3, Day 3 – Social Studies***

Chapter 6 – Linear equations (slope, distance, midpoint, graphing, slope intercept)

* Differences between an inequality and a linear equation
* Systems of linear equations & how to find solution, systems of equations
* Quadratics

Chapter 7 – Geometry – 2D and 3D shapes, surface area, volume, trigonometry (law of sines, Pythagorean theorem & highlight importance)

***Issue Week 3 Homework***

***Week 4, Day 1 – Social Studies***

Week 3 Homework Walkthrough

Chapter 1 – Analyze: Author’s purpose, POV, relationship of content and information, interpret data & statistics and how they relate to the passage

***Week 4, Day 2 – Social Studies***

Chapter 2 – Expand on the American Revolution (what it meant, how it evolved into the current United States, Cold War, Civil War, Expansion across the U.S., learning about commerce and capitalism)

Chapter 3 – What is the constitution? The different branches of government, electoral system, how voting works, how the basis of the U.S. system works, and what it means to be a citizen and to vote

***Week 4, Day 3 – Social Studies***

Chapter 4 – The basics of economics, free trade, labor, goods & services, commerce, the U.S. Economic System

Chapter 5 – Civilizations, resource management, exploration, age of revolutions, feudalism (concept of leadership and hierarchy and how it’s still practice today in business, education, social life)

***Issue Week 4 Homework***

***Week 5, Day 1 – Sciences***

Week 4 Homework Walkthrough

Chapter 1 – What is the scientific method? How to create an experiment? Interpreting data, using probability and statistics, difference between actual and theoretical yields

***Week 5, Day 2 – Sciences***

Chapter 2 – The parts of a cell (cell biology), modern genetics (Gregor Mandel’s laws of genetics), reproduction and heredity, health issues, different organ systems

Chapter 3 – Earth’s structure, weather, solar system, concept of the universe, gravity, earth’s resources