

Study Guide – Grade 7 – Term 1

Math (Jump Math 7.1)

Topic	Page Number
Equations, Properties of Operations	6 to 11
Long Multiplication	18 to 21
Constant Rates	30 to 33
Solving Equations	34 to 35, 40, 42
Equations and Expressions	43, 44
Word Problems	46 to 48
Investigating Equations	49, 50
Factors and Multiples	51, 52
LCM and GCF	55 to 57
Perfect Squares and Square Roots	58 to 60
Divisibility by 3, 6, and 9	66 to 68
Divisibility by 2, 4, and 6	69
Mixed Numbers and Improper Fractions	76 to 78
Adding and Subtracting Fraction	87 to 89
Adding and Subtracting Mixed Numbers	91 to 93
Perpendicular Lines and Perpendicular Bisectors	105 to 108
Adding and Subtracting Decimals	145 to 146

English (Language Power, Wordly Wise 3000 Book 7)

Topic	Page Number
Synonyms, Antonyms, Homophones	6 to 8
Prefix, Suffix, Contraction	11 to 13
Nouns and Verbs	15
Section Review	21 to 22
Run-On Sentences	33
Section Review	46 to 47
Abbreviations	53 to 54
Variety of Punctuations	63
Section Review	65 to 66
Fill in the blanks using a given list of words	
Comprehension; Read passage and answer the questions (One from Wordly Wise Book 7)	
Write the meanings of words (30 out of 40; From Wordly Wise Book 7)	
Crossword Puzzle	
Applying Meanings (From Wordly Wise Book 7)	

Science (Science and Technology Perspectives)

Topic	Page Number
The Science of Matter	10 to 11
The Particle Theory of Matter	12
Particles of Solids, Liquids, and Gases	15
Pure Substances and Mixtures	20 to 21
Mechanical Mixtures and Solutions	24 to 26
Chapter 1 Review (K/U)	32 to 33
Concentration and Solubility	42 to 44
Chapter 2 Review (K/U)	52 to 53
Uranium and Nuclear Power	75 to 76
Unit A Review (K/U)	84 to 87
Biotic and Abiotic Elements	97 to 98
The Roles of Organisms in an Ecosystem	122 to 124
Food Chains and Food Webs	125 to 128
Energy Flow in an Ecosystem	132 to 33
Matter Cycles	135 to 139
Chapter 5 Review (K/U)	144 to 145

Social Studies

Chapter 4:

Know what a tsunami is; know how they happen (the cause).

Know what the Pacific Ring of Fire is as well as the Mid Atlantic Ridge (Page 71)

What are igneous sedimentary and metamorphic rocks and how are they created? (Page 74)

Investigating river systems: know what a river system is (Page 82)

Know what the two drainage patterns are and what's the difference between the two

Chapter 5:

What is global warming?

Know what greenhouse gases are. What affect do they have?

Know the effects of rising temperature ((Page 92)

Know what the saffirsimpson scale is used for. (Page 95)

Know what causes a tornado (Page 99)

Are tornadoes linked to global warming (Page 100)

Know whether or not latitude effects climate (Page 104)

The difference between polar, tropical and temperate climate

Know the effects of moving air water bodies, mountains and ocean currents on the climate (Page 107-109)