**SYLLABUS**

**MAJOR MATH SCIENCE GRADE 2**

**Materials:** Major Math grade 2

Major Science grade 2

**Course length**: 34 weeks

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| **WEEK** | **PERIOD** | **SUBJECT** | **UNIT** | **CONTENT** | **OBJECTIVE** |
| **1** | **1+2** | **MATH** | **Unit 1****WELCOME BACK** | ***Review Grade 1***- Numbers 0 – 10- Addition within 10 - Subtraction within 10- Greater than – less than – equal to- Shapes – cm – longer/ shorter | Help students review Math lessons in Grade 1. |
| **2** | **3+4** | **SCIENCE** | **Unit 1 PLANT HABITATS** | **- Plant habitats:** water plants (lotus and water lily), land plants (coconut tree and mango tree)**- Story:** My garden | To know about types of plant habitats and habitats of some common plants. |
| **3** | **5** | **MATH** | **Unit 2****COUNTING TO 15** | - Counting numbers 11 – 15 (eleven, twelve, thirteen, fourteen, fifteen)- ***Words***: bird, cat, elephant, duck, dog, kite, car, teddy bear, ball, bee, fish, train.- ***Story***: The number game | Students will be able to: - Recognize numbers from 11 to 15. - Count things/objects within 15. - Be familiar with writing numbers in words up to 15. |
| **6** | ***MATH PROJECT*** |
| **4** | **7+8** | **SCIENCE** | **Unit 2ANIMAL HABITATS** | **- Animal habitats:** water animals (goldfish, crocodile, and shark), land animals (giraffe, lion and elephant), air animals (butterfly, parrot and bee)**- Story:** The animal show | To know about the types of animal habitats and habitats of some common animals. |
| **5** | **9+10** | **MATH** | **Unit 3****COUNTING TO 20** | - Counting numbers 16 – 20 (sixteen, seventeen, eighteen, nineteen, twenty)- ***Words***: egg, candy, biscuit, hamburger, ice-cream, cupcake, lollipop, cookie, sandwich, crocodile, tiger, parrot.- ***Story***: Our cookies | Students will be able to: - Recognize numbers from 16 to 20. - Count things/objects within 20. - Be familiar with writing numbers in words up to 20. |
| **6** | **11** | **SCIENCE** | **Unit 3PROTECTING HABITATS** | **- Should:** plant trees, collect trash**- Shouldn't:** cut down trees, litter**- Story:** At the park | To know how to protect plant habitats and animal habitats. |
| **12** | ***SCIENCE PROJECT*** |
| **7** | **13+14** | **MATH** | **Review 1** | Revision from Unit 1 to Unit 3 |
| **8** | **15+16** | **SCIENCE** | **Review 1** | Revision from Unit 1 to Unit 3 |
| **9** | **17** | **MATH** | **Unit 4****BEFORE AND AFTER NUMBERS** | - Learning the number line and knowing the number that comes before and after.- ***Words***: come before, come after.- ***Story***: The number train | Students will be able to: - Order numbers from 1 to 20. - Know before and after numbers within 20. |
| **18** | ***MATH PROJECT*** |
| **10** | **19+20** | **SCIENCE** | **Unit 4PHYSICAL ACTIVITIES** | **- Physical activities:** run, jump, dance, play soccer**- Story:** Let's do exercises! | To know some physical activities.  |
| **11** | **21+22** | **MATH** | **Unit 5****ADDITION WITHIN 20** | - Adding numbers within 20 (Eight plus three equals eleven)- ***Words***: kite, rabbit, carrot, balloon, robot, puppet.- ***Story***: Happy birthday! | Students will be able to: - Know how to add numbers within 20. - Apply addition within 20 in everyday life. |
| **12** | **23** | **SCIENCE** | **Unit 5SKELETAL SYSTEM** | **- Skeletal system:** skull, ribs, spine, leg bones, arm bones**- Should**: sit straight, stand straight**- Story:** Protect your spine | - To know some parts of skeletal system.- To know how to protect skeletal system.  |
| **24** | ***SCIENCE PROJECT*** |
| **13** | **25+26** | **MATH** | **Unit 6****SUBTRACTION WITHIN 20** | - Subtracting numbers within 20 (Nineteen minus five equals fourteen.)- ***Words***: carrot, banana, coconut, pear, mango, watermelon.- ***Story***: How many candies are left?  | Students will be able to: - Know how to subtract numbers within 20. - Apply subtraction within 20 in everyday life. |
| **14** | **27+28** | **SCIENCE** | **Unit 6MUSCULAR SYSTEM** | **- Muscular system:** facial muscles, arm muscles, leg muscles**- Should:** play sports **- Shouldn't:** eat unhealthy food**- Story:** Our muscles | - To know some parts of muscular system. - To know how to protect muscular system.  |
| **15** | **29** | **MATH** | **Review 2** | Revision from Unit 4 to Unit 6 |
| **30** | ***MATH PROJECT*** |
| **16** | **31+32** | **SCIENCE** | **Review 2** | Revision from Unit 4 to Unit 6 |
| **17** | **33****34** | **MATH SCIENCE** | **SEMESTER 1 TEST** |
| **18** | **35+36** | **MATH** | **Unit 7****TELLING THE TIME** | - Learning how to tell the timeSentences:- What time is it?It’s four o’clock.It’s a quarter past four.It’s half past four.- ***Words***: get up, do exercises, read books, go to bed, have breakfast.- ***Story***: What time is it? | Students will be able to: - Know how to tell the time. - Apply telling the time in everyday life. |
| **19** | **37+38** | **SCIENCE** | **Unit 7RESPIRATORY SYSTEM** | **- Respiratory system:** nose, lungs, windpipe, breathe in, breathe out**- Should:** wear masks**- Shouldn't:** smoke**- Story:** Our lungs | - To know some parts of respiratory system. - To know how the lungs work.- To know how to protect respiratory system.  |
| **20** | **39** | **MATH** | **Unit 8****KILOMETER** | - Learning how to say the distance between places.- Sentences: How far is it from your house to school?It’s about 5 km from my house to school.- ***Words***: Places: house, bus stop, school, playground, café, bookstore, supermarket, toy shop.- ***Story***: How far is it? | Students will be able to: - Know what kilometer is (within 20). - Apply kilometer in everyday life. |
| **40** | ***MATH PROJECT*** |
| **21** | **41+42** | **SCIENCE** | **Unit 8URINARY SYSTEM** | **- Urinary system:** kidneys, ureters, bladder**- Should:** drink enough water**- Shouldn't:** hold my pee**- Story:** Don't hold your pee! | - To know some parts of urinary system. - To know how to protect urinary system.  |
| **22** | **43+44** | **MATH** | **Unit 9****KILOGRAM** | - Learning how to weigh fruits.- Sentences:How much do the apples weigh?They weigh 3 kg. - ***Words***: kilogram (kg), durian, a bag of rice.- ***Story***: How much do the bananas weigh? | Students will be able to: - Know what kilogram is. - Use addition with kilogram (within 20). - Apply kilometer in everyday life. |
| **23** | **45** | **SCIENCE** | **Unit 9PERSON HYGIENE** | **- Adjective:** clean, dirty**- Person hygiene:** wash my hands, brush my teeth, take a shower, tidy my room, make my bed**- Story:** Guessing game | - To know some adjectives about personal hygiene.- To know some activities to keep personal hygiene. |
| **46** | ***SCIENCE PROJECT*** |
| **24** | **47+48** | **MATH** | **Review 3** | Revision from unit 7 to Unti 9 |
| **25** | **49+50** | **SCIENCE** | **Review 3** | Revision from unit 7 to Unti 9 |
| **26** | **51** | **MATH** | **Unit 10****QUADRILATERAL** | - ***Sentences***:It’s a circle. It has no side.It’s a triangle. It has 3 sides.They’re quadrilaterals. They have 4 sides.- ***Story***: My little robot.  | Students will be able to: - Recognize quadrilateral things around us.- Apply quadrilateral in everyday life. |
| **52** | ***MATH PROJECT*** |
| **27** | **53+54** | **SCIENCE** | **Unit 10SEASONS AND WEATHER** | **- Seasons:** spring, summer, fall, winter**- Weather:** sunny, rainy, hot, cold, cool**- Story:** Seasons in Vietnam | - To know 4 seasons. - To know how to use weather adjectives to describe the seasons.- To know the seasons in Vietnam.  |
| **28** | **55+56** | **MATH** | **Unit 11****MULTIPLES OF 2** | - ***Sentences***: Two times three equals six.Two times four equals eight.- ***Words***: strawberry, lemon, shoes.- ***Story***: Birds’ wings | Students will be able to: - Know to to use multiples of 2 (within 20). - Apply multiples of 2 in everyday life. |
| **29** | **57** | **SCIENCE** | **Unit 11CARDINAL DIRECTIONS** | **- Cardinal directions:** North, South, East, West**- Story:** Our town | - To know cardinal directions. - To know how to use cardinals to show directions. |
| **58** | ***SCIENCE PROJECT*** |
| **30** | **59+60** | **MATH** | **Unit 12****DIVISION BY 2** | - ***Sentences***: Ten divided by two equals five.- ***Words:*** candy, watermelon, ball, teddy bear, pencil.- ***Story***: Sharing pies | Students will be able to:- Know to to use division by 2 (within 20). - Apply division by 2 in everyday life. |
| **31** | **61+62** | **SCIENCE** | **Unit 12NATURAL DISASTERS** | **- Natural disasters:** hurricanes, wildfire, floods, drought**- Story:** Natural disasters in Vietnam | - To know some types of natural disasters.- To know how to describe the natural disasters.- To know some natural disasters in Vietnam.  |
| **32** | **63** | **MATH** | **Review 4** | Revision from Unit 10 to Unit 12  |
| **64** | ***MATH PROJECT*** |
| **33** | **65+66** | **SCIENCE** | **Review 4** | Revision from Unit 10 to Unit 12  |
| **34** | **67****68** | **MATH SCIENCE** | **SEMESTER 2 TEST** |