**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 2 ANIMAL 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 3 PROTECTING 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 4 PHYSICAL 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 5 SKELETAL 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 6 MUSCULAR 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 time  Sentences:  - 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 7 RESPIRATORY 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 8 URINARY 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 9 PERSON 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 10 SEASONS 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 11 CARDINAL 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 12 NATURAL 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** | | |