**SYLLABUS**

**MAJOR MATH SCIENCE GRADE 3**

**Materials:** Major Math grade 3

Major Science grade 3

**Course length**: 34 weeks

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| **WEEK** | **PERIOD** | **SUBJECT** | **UNIT** | **CONTENT** | **OBJECTIVE** |
| **1** | **1+2** | **MATH** | **Unit 1**  **Counting by tens**  **(10 – 100)** | ***Vocabulary***  ten, twenty, thirty, forty, fifty, sixty, seventy, eighty, ninety, one hundred  ***Extra words:*** *egg, cupcake, colored pencils, paper cup, pea, chocolate, crayon, ball, skateboard, play football, go fishing*  **Review Grammar:**  There is + singular nouns  There are + plural nouns  **Sentences**:  1. How many ... are there? There is ... / There are ...  2. What number is it? It's number ...  3. Can you count by tens from .... to ...? Yes, I can. / No, I can't. | Students will be able to:  - How to count by tens (10 - 100)  - Recognize, read and write numbers 10, 20, 30, 40, 50, 60, 70, 80, 90, 100  - Understand how to use the plural and singular nouns |
| **2** | **3+4** | **SCIENCE** | **Unit 1**  **Parts of plants & their functions** | ***Vocabulary***  leaves, stem, root, water, minerals  ***Sentences***  Leaves:   * use sunlight, water, and air to make food for the plant * help the plant breathe.   Stem:  • carries water and minerals from the roots to the leaves.  • holds the leaves, flowers and fruits of the plant.  Roots:  • absorb water and minerals from the soil.  • hold the plant in the soil. |  |
| **3** | **5+6** | **MATH** | **Unit 2**  **Hundreds - Thousands** | ***Vocabulary***  Hundreds: 100, 101, ....., 900  Thousands: 1 000, 10 000, 100 000  Currency: VND (10,000 - 20,000 - .... - 100,000)  ***Extra words:*** *hat, school bag, dress, scarf, pen, lollipop, book*  **Sentences:** How much is it? It's one thousand dongs. It's twenty thousand dongs. | Students will be able to:  - How to read numbers in the hundreds – thousands  - Ask and say prices  - Read the value of money to 100 000 dong |
| **4** | **7+8** | **SCIENCE** | **Unit 2**  **Parts of plants & their functions (cont.)** | ***Vocabulary***  Flowers, fruit, seeds  ***Sentences***  Flowers:  **•** make fruit and seeds for the plant  Fruit:  **•** protects the seeds inside  • helps the seeds spread  Seeds:  **•** grow into a young plant  • keep nutrients for the young plant |  |
| **5** | **9+10** | **MATH** | **Unit 3**  **Ascending - Descending - The biggest - The smallest** | ***Vocabulary***  the biggest, the smallest, ascending, descending  **Sentences**  Which one is the biggest/ smallest number?  18 is the biggest / smallest number.  *Put numbers in ascending order*  *Put numbers in descending order* | Students will be able to:  - Understand that ascending is the numbers from smallest to biggest  - Understand that descending is the numbers from biggest to smallest  - Say the biggest/ smallest numbers |
| **6** | **11+12** | **SCIENCE** | **Unit 3**  **Uses of plants** | ***Vocabulary***  Food, wood, cotton, medicines, oxygen  ***Sentences***  • Providing food for us like vegetables and fruits.  • Giving us wood to make things like paper, tables or chairs.  • Providing cotton to make things like clothes or pillows.   * Being medicines like ginger or mints. * Giving us oxygen. Oxygen is in the air we breathe. All living things need it. |  |
| **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+18** | **MATH** | **Unit 4**  **Cube - Cuboid** | ***Vocabulary***  - Cube, cubeboid  - Cube in real life: dice, box, present (gift), ice, Rubik - Cubeboid in real life: brick, board eraser, lunchbox, lego, eraser, book, a bread  ***Sentences***  1. What shape is it? It's a .....  2. A dice **is like** a cube / A board eraser i**s like** a cubeboid. | Students will be able to know and recognize the shapes *cube* and *cuboid* in life |
| **10** | **19+20** | **SCIENCE** | **Unit 4**  **Animal body parts** | ***Vocabulary***  Feet, legs, wings, fins, walk, fly, swim, hop  ***Sentences:***   * Lions walk on their feet. * Parrots fly with their wings. * Goldfish swim with their fins. * Rabbits hop with their back legs. |  |
| **11** | **21+22** | **MATH** | **Unit 5**  **Sphere - Cylinder** | ***Vocabulary***  - sphere, cylinder  - Sphere in real life: earth, ball, orange  - Cylinder in real life: a soda can, a candle, a cup  ***Sentences***  1. What shape is it? It's a .....  2. The Earth **is like** a sphere / A soda can **is like** a cylinder. | Students will be able to know and recognize the shapes of spheres and cylinders in life |
| **12** | **23+24** | **SCIENCE** | **Unit 5**  **Animal body parts (cont.)** | ***Vocabulary***  *Mammals, birds, reptiles, fish, fur, feathers, dry scale, wet scales*  ***Sentences***   * Bears and cats are mammals. They have fur. * Ducks and parrots are birds. They have feathers. * Lizards and snakes are reptiles. They have dry scales. * Goldfish and carps are fish. They have wet scales. |  |
| **13** | **25+26** | **MATH** | **Unit 6**  **Fraction** | ***Vocabulary***  **Fraction:** one whole (1), one-half (1/2), one-third (1/3), one-fourth (1/4), one-fifth (1/5), one-sixth (1/6)  ***Extra words:*** A pizza, a watermelon, an orange, a cookie, a pineapple, a cake, (pieces / parts)  ***Sentences***  Fractions in words  One half of a cake  One-fourth of a watermelon | Students will be able to:  - Read the fraction  - Know the fractions of things |
| **14** | **27+28** | **SCIENCE** | **Unit 6**  **Uses of animals** | ***Vocabulary***  Provide food, give materials, carry  ***Sentences***  Animals provide food for us.   * Pigs, chickens,… give us meat. * Cows, goats,… give us milk. * Chickens, ducks,… give use eggs.   Some animals give us materials for making clothes.   * Sheep give us wool. * Cows, crocodiles, snakes,… give us leather.   Many animals carry people and goods.   * Horses carry people. * Cows carry goods. |  |
| **15** | **29 + 30** | **MATH** | **Review 2** | Revision Unit 4 to Unit 6 | |
| **16** | **31+32** | **SCIENCE** | **Review 2** | Revision Unit 4 to Unit 6 | |
| **17** | **33**  **34** | **MATH SCIENCE** | **SEMESTER 1 TEST** | | |
| **18** | **35+36** | **MATH** | **Unit 7**  **Addition and subtraction within 1000** | ***Vocabulary***  Plus, minus, equals  Addition: plus, add, in total, all together  Subtraction: minus, left, take away, subtract, give  **Sentences**  Two hundred and fifty plus ten equals two hundred and sixty.  Three hundred and twenty minus twenty equals three hundred. | Students will be able to:  - Read and understand the math contents and know when they add or subtract  - Add/ subtract numbers within 1000 |
| **19** | **37+38** | **SCIENCE** | **Unit 7**  **Digestive system** | ***Vocabulary***  mouth, liver, stomach, large intestine, small intestine, wash my hands, eat my meals on time  skip breakfast, eat too fast  ***Sentences***   * The digestive system has a mouth, liver, stomach, large intestine, and small intestine. The digestive system changes the food you eat into energy and nutrients. * I should wash my hands before eating. * I should eat my meals on time. * I shouldn't skip breakfast. * I shouldn't eat too fast. |  |
| **20** | **39 + 40** | **MATH** | **Unit 8**  **Multiplication tables 3 - 9** | ***Vocabulary***  times, multiply, equals  **Sentences**  Four times four equals sixteen. | Students will be able to:  - Understand multiplication and its usage of it.  - Understand the relationship between multiplication and addition |
| **21** | **41+42** | **SCIENCE** | **Unit 8**  **Circulatory system** | ***Vocabulary***  *heart, blood, blood vessels, have a healthy diet, do more outdoor activities, drink too much coke, eat too much salt*  ***Sentences***   * *The circulatory system has the heart, blood and blood vessels. Blood vessels send oxygen and nutrients to different body parts and take away wastes.* * *I should have a healthy diet* * *I should do more outside activities.* * *I shouldn't drink too much coke.* * *I shouldn’t eat too much salt or sugar.* |  |
| **22** | **43+44** | **MATH** | **Unit 9**  **Divisions tables 3 - 9** | ***Vocabulary***  divided by, equals  ***Extra words:*** share, divide, put..into, equally, get, pig/ cow/ rabbit/ chicken cages  **Sentences**  Thirty divided by five equals six. | Students will be able to:  - Understand divisions in real situations - Know divisions 3-9  - How to solve the division problems  - Understand the relationship between division and multiplication |
| **23** | **45+46** | **SCIENCE** | **Unit 9**  **Nervous system** | ***Vocabulary***  skull, brain, spinal cord, spine, nerves, get enough sleep, get enough rest, go to bed late, avoid caffeine  ***Sentences***   * The nervous system has the brain, spinal cord, and nerves. The skull protects the brain, and the spine protects the spinal cord. The nerves send and receive signals and messages through your body to tell it what to do. * I should get enough sleep. * I should get enough rest. * I shouldn’t go to bed late. * I should avoid caffeine. |  |
| **24** | **47+48** | **MATH** | **Review 3** | Revision Unit 7 to Unit 9 | |
| **25** | **49+50** | **SCIENCE** | **Review 3** | Revision Unit 7 to Unit 9 | |
| **26** | **51+52** | **MATH** | **Unit 10**  **Gram (g) - Kilogram (kg)** | ***Vocabulary***  **Kilograms to grams** 1 kilogram = 1000 grams (1 kg = 1000 g) One kilogram is equal to 1000 grams. **Grams to kilograms** 1000 grams = 1 kilogram (1000 g = 1 kg) One thousand grams are equal to one kilogram.  ***Extra words:*** carrot, apple, pumpkin, corn, tomato, potato, grape, durian, orange, banana, rice, mushroom, chicken  **Sentences**  How much does the apple weigh? It's 300 grams. How much does the pumpkin weigh? It's 1000 grams or It's 1 kg. | Students will be able to:  - Know how to read the weight of things  - Exchange kilograms and grams |
| **27** | **53+54** | **SCIENCE** | **Unit 10**  **The Earth** | ***Vocabulary***  North Pole, South Pole, Equator, polar zones, temperate zones, tropical zones  ***Sentences***   * The Earth has three main climate zones: polar zones, temperate zones, and tropical zones. * In the polar zones, they are almost always covered with snow. * Temperate zones have seasons. The weather changes a lot from season to season. * The tropical zones are the nearest to the equator. So, they are hot and humid all year long. |  |
| **28** | **55+56** | **MATH** | **Unit 11**  **Milliliter (ml) - Liter (l)** | ***Vocabulary***  1 liter = 1l One liter is equal to one thousand milliliters.  ***Extra words:*** lemon juice, watermelon juice, apple juice, banana milk, strawberry juice, kiwi juice, yogurt, milk, water, fish sauce, tomato ketchup, honey, soda,  **Sentences**  How much banana milk is in the box?  It's 1 liter or 1000 milliliters. | Students will be able to:  - Measure how much liter/ milliliter of things  - Know how to convert liter and milliliter |
| **29** | **57+58** | **SCIENCE** | **Unit 11**  **The Earth in the Solar System** | Solar system, Earth, Planets, sun's rays, orbit, sun  ***Sentences***   * There are eight planets in the Solar system. The Earth is the third planet from the Sun. * Sun’s rays come to the Earth. Some parts are * day and some parts are night.   The Earth takes 365 days to orbit the sun. |  |
| **30** | **59+60** | **MATH** | **Unit 12**  **Area of a rectangle and a square** | ***Vocabulary***  Area, side, width, length, cm2 (square centimeters) ***Extra words:*** notebook, board eraser, calculator, dice's surface, envelope, tray, pencil case, wallet  **Sentences**  What is the area of a ...?  It's .... square centimeters. | Students will be able to: - Know the area of a rectangle and a square - Know the area of real objects |
| **31** | **61+62** | **SCIENCE** | **Unit 12**  **The Earth surface** | mountain, hill, river, lake, ocean, delta  ***Sentences***   * A mountain is higher than a hill. * A river is longer than a lake. * A lake is smaller than an ocean. * A delta is lower than a hill or a mountain. |  |
| **32** | **63+64** | **MATH** | **Review 4** | Revision Unit 10 to Unit 12 | |
| **33** | **65+66** | **SCIENCE** | **Review 4** | Revision Unit 10 to Unit 12 | |
| **34** | **67**  **68** | **MATH SCIENCE** | **SEMESTER 2 TEST** | | |