

Science Future Explorer Workbook 1

Unit 1		
Life scienceA: The Characteristics of Organisms		
Page 4	Activity 1	Living Things (hen, flower, elephant, cat rabbit, fish) Non Living Things (gloves, fan, wardrobe, teddy bear shoes, toy car)
Page 7	Activity 2	Individual work by students.
Page 8	Activity 3	4, 1, 2, 3
Page 9&10	Activity 4	baby, child, adult, old
Page 11	Activity 5	1.Eggs 2. Embryos 3. Tadpoles with legs 4. Young Frog 5. Adult Frog
Page 12 & 13	Activity 6	1. The frogs lay eggs 2. The eggs hatch into tadpoles 3. The tadpoles grow into frogs
Page 15	Activity 7	1. Hen 2. Egg 3. Embryo 4. Hatchling 5. Chick
Page 16	Activity 8	1. Egg 2. Caterpillar 3. Pupa 4. Emerging Butterfly 5. Adult Butterfly
Page 17, 18 & 19	Activity 9	1. Flower 2. Stem 3. Leaf 4. Root 5. Seed
Page 20 & 21	Activity 10	1. Seed 2. Sprout 3. Seedling 4. Small tree 5. Growing tree 6. Adult tree

Page 22	Revision Worksheet	Can: Move Reproduce Grow	Need: Food Water Air
Page 23	Revision Worksheet	Burger - Nonliving Squirrel - Living Ant- Living Spoon – Non living Rabbit – Living Axe - Nonliving	
Page 24	Revision Worksheet	1. <u>Baby</u> 2. <u>Child</u> 3. <u>Adult</u> 4. <u>Old</u>	
Page 25	Revision Worksheet	<u>Water, sunlight, air</u> Plant number 2 did not grow because it did not get water.	
Page 26, 27 & 28	Self-assessment	<i>Check for understanding by asking oral questions.</i>	
Unit 1 Life science B: Ourselves			
Page 30	Activity 1	1. Ear 2. Eye 3. Nose 4. Mouth 5. Skin	
Page 31	Activity 2	1. <u>Eye</u> (picture 2) 2. <u>Nose</u> (picture 1) 3. <u>Tongue</u> (picture 5) 4. <u>Skin</u> (picture 3) 5. <u>Ear</u> (picture 4)	
Page 32	Activity 3	1. Object number 3 a blanket 2. Object number 2 coffee 3. Object number 1 a hairbrush	
Page 33	Activity 4	1. Roses (S) 2. Strawberries (ST) 3. Salt (T) 4. Lemons (ST) 5. Chocolate (ST) 6. Shoes (T)	

Page 34	Activity 5	Individual work by students
Page 35	Revision Worksheet	<ol style="list-style-type: none"> 1. I taste with my <u>tongue</u>. 2. I <u>smell</u> with my nose. 3. I see with my <u>eyes</u>. 4. I <u>hear</u> with my ears. 5. I <u>feel</u> with my skin.
Page 36	Revision Worksheet	<ol style="list-style-type: none"> 1. Shoes (Red) 2. Perfume (Green) 3. Strawberries (Green) 4. Trash (Red)
Page 37	Revision Worksheet	<ol style="list-style-type: none"> 1. Salty-Pizza (Picture 2) 2. Sweet –Ice-cream (Picture 4) 3. Sour – Lemons (Picture 1) 4. Bitter – Olives (Picture 3)
Page 38	Revision Worksheet	<ol style="list-style-type: none"> 1. B - Lemons 2. A - White Board 3. D - Rabbit 4. C - Apple
Page 39 & 40	Self-assessment	<i>Check for understanding by asking oral questions.</i>
Unit 2 Science and TechnologyA: Sound and Hearing		
Page 42	Activity 1	<ol style="list-style-type: none"> 1. Mouse - quiet 2. Airplane – Loud 3. Elephant – Loud 4. Drum – Loud 5. Spider - Quiet
Page 42	Activity 2	<ol style="list-style-type: none"> A. Elephant B. Apple C. Rabbit D. Sun <p style="text-align: center;">EARS</p>
Page 43	Activity 3	<ol style="list-style-type: none"> 1. Wind rustling through fields. 2. Girl whispering. 3. Waterfall
Page 44& 45	Activity 4	<p>Boy closest to loud speaker – very loud</p> <p>Second boy – loud</p> <p>Third boy –quiet</p> <p>Fourth boy - silent</p>

Page 47	Revision Worksheet	1. Individual work by students Violin– Pluck Drum – Hit Maracas – Shake Trumpet - Blow
Page 48	Revision Worksheet	<u>High pitched sounds</u> Whistle ringing of an alarm <u>Low pitched sounds</u> Thunder Lion’s roar <u>Loud sounds</u> Jet plane drill machine <u>Quiet sounds</u> Waterfall falling leaves
Page 49 & 50	Self-assessment	<i>Check for understanding by asking oral questions.</i>
Unit 3 Physical ScienceA: Objects and Materials		
Page 52	Activity 1	Table, envelope, bed, newspaper, chair, wardrobe
Page 53	Activity 2	Key, tap, spoon
Page 54	Activity 3	Frock, teddy, shirt
Page 54	Activity 4	envelope, newspaper, sticky note
Page 55	Activity 5	Wardrobe- wood Envelope – paper Key – metal Shirt- fabric
Page 55	Activity 6	Things made of plastic: Hobby Horse ,water bottle, chair, Lego blocks
Page 56	Activity 7& 8	Individual work by students.
Page 57	Activity 9	Things made of rubber: Eraser, rubber duck, tyre
Page 58	Activity 10	Objects made of Plastic: Lego blocks, boots, comb Objects made of Glass: Water bottle, cup Objects made of clay: Cat sculpture, bowls

Page 59 & 60	Activity 11	<ol style="list-style-type: none"> 1. Wood 2. Paper 3. Metal 4. Plastic 5. Paper 6. Metal 7. Fabric 8. Clay 9. Glass 10. Wood 11. Glass 12. Plastic 13. Paper 14. Tyre 15. Plastic
Page 61	Activity 12	Individual work by students.
Page 62	Activity 13	<p>Object: Jacket Materials: Fabric, metal</p> <p>Object: School Bag Materials: Plastic, metal</p> <p>Toy Car; Plastic, metal</p>
Page 63	Activity 14	<p>The paper clip is made of <u>metal</u>.</p> <p>The ice-cream stick is made of <u>wood</u>.</p> <p>Yes</p> <p><u>Metal</u> is harder than <u>wood</u>.</p>
Page 64	Activity 15	<p>Object 2 is heavier, the book.</p> <p>Object 2 is heavier, the books.</p> <p>Object 2 is heavier, the eraser.</p> <p>Object 2 is heavier, the school bag.</p>
Page 65	Activity 16	<p>Coin- will sink- it sank</p> <p>Nail- will sink- it sank</p> <p>Wooden stick- will float- it floated</p> <p>Dry sponge – will float – it floated</p> <p>Eraser- will sink – it sank</p>
Page 66	Activity 17	Group work by students

Page 67	Revision Worksheet	Rubber- Object 2- eraser Plastic- Object 1- watering can Glass- Object 3- cup Metal- Object 8- Bolts & screws Clay- Object 6- brick Wood- object 7 –Wardrobe Paper- Object 4- Book Fabric- Object 5- T Shirt
Page 68	Revision Worksheet	Sauce Pan Metal & Rubber Axe Metal & Wood
Page 69	Revision Worksheet	Rug, is soft, can be bent, cannot be broken. Jug, is hard, cannot be bent, can be broken. Clay pot, is hard, cannot be bent, can be broken. Toy, is soft, can be bent, cannot be broken.
Page 70	Revision Worksheet	Ice cubes - can float Rubber duck – can float Scissors – cannot float Rock – cannot float Flower – can float Pencil – cannot float
Page 71 & 72	Self-assessment	<i>Check for understanding by asking oral questions.</i>
Unit 3 Physical ScienceB: Forces- Push and Pull		
Page 74	Activity 1	1. Pull 2. Push 3. Push 4. Push 5. Pull 6. Pull
Page 75	Activity 2	Individual work by students.
Page 76	Activity 3	1. Jump 2. Stretch 3. Jump 4. Stretch 5. jump

Page 77	Activity 4	<ol style="list-style-type: none"> 1. Sliding 2. Sliding 3. Sliding 5. Sliding
Page 78	Activity 5	<ol style="list-style-type: none"> 1. Squeeze 2. Twist 3. Squeeze 4. Twist 5. Twist
Page 79	Activity 6	<ol style="list-style-type: none"> 1. Twist 2. Jump 3. Roll 4. Slide 5. Stretch
Page 80	Activity 7	<ol style="list-style-type: none"> 1. O 2. M 3. M 4. M 5. M 6. O
Page 81 & 82	Revision Worksheet	<ul style="list-style-type: none"> A- Slide B- Push C- Pull D- Push E- Slide F- Pull G- Slide H- Pull I- Pull
Page 83 & 84	Self-assessment	<i>Check for understanding by asking oral questions</i>

Unit 4
Environmental Science
What's up in the Sky?

Page 86	Activity 1	<ol style="list-style-type: none"> 1. Earth 2. Sun 3. Earth 4. Sun 5. Earth 6. Sun <ol style="list-style-type: none"> 1. Planet 2. Star 3. Sun 4. Land 5. Ocean
Page 87	Activity 2	<ol style="list-style-type: none"> 1. Night 2. Day
Page 88	Activity 3	<p style="text-align: center;">Night – Day Awake – Asleep Light - Dark</p>
Page 89	Activity 4	<p style="text-align: center;">Summer More daylight, very hot, dry, June Winter Cool, sometimes snow, January, longer nights</p>
Page 90	Activity 5	<p style="text-align: center;">Jacket – W Air Conditioner –S Umbrella – W Short Dress - S</p>
Page 91	Activity 6	<p style="text-align: center;">Summer <u>Autumn</u> Winter <u>Spring</u> Winter <u>Spring</u> Summer <u>Autumn</u></p>
Page 92	Activity 7	<p style="text-align: center;">Wet – g Sunny – a Cloudy – b Rainy – f Hot – c Cold - d</p>

Page 93	Revision Worksheet	<p>Winter Spring Summer Autumn</p>
Page 94	Revision Worksheet	<ol style="list-style-type: none"> 1. Cloudy 2. Sunny 3. Wet 4. Calm 5. Windy 6. Rainy 7. Cold 8. Hot
Page 95 &96	Self - assessment	<i>Check for understanding by asking oral questions</i>