



W N D E R D A L

EDUTAINMENT CENTRE

CAPS connections per term

(Indicated as T1, T2, T3 and T4)

Grades R-7

Overarching educational theme: Energy and Energy Transfer
Subjects primarily aligned to: Natural Sciences and Technology; Life Skills

LEARNING ZONES:	Tinker Workshop	Tree of Light	Wonder Garden	Health Kitchen	Story Cave	Wildlands
Learning Experience Description	Mini tinker games: wind tunnel, marble run, electrical circuits. Learners choose what activity they want to engage with. Short, interactive quiz available in this zone with questions on wind, kinetic and electric energy.	Hand crank game that generates light and sound at an impressive scale.	Playing gardener to virtual plants. Plants grow from seed. Learners use body movements and gestures to supply the plant with enough sun, water and to harvest the fruits.	Interactive, digital game where the learner selects and prepares nutritious food for creature companion. The goal is to create a balanced meal with all food groups.	Cosy, sensory hideaways with a selection of 15 Wonderdal audio stories and corresponding quizzes. The zone also offers a selection of interesting storybooks.	Architecturally innovative outdoor play area for climbing, jumping, crawling, etc. Can be used for free-play or as an obstacle course.
Main Educational Themes	Energy types (wind, kinetic and electric)	Energy: motion into light and sound	Plant growth	Nutrition	Water, sun, earth, air, caring for others, energy types, plant growth, nutrition	Gross motor play

Supports the teaching of the following CAPS topics:

Grade R	Wind tunnel Life Skills: Creative Arts > Visual Arts	Life Skills: Physical Education	Life Skills: Beginning Knowledge and Personal and Social Well-being	Life Skills: Beginning Knowledge and Personal and Social Well-being	Life Skills: Beginning Knowledge and Personal and Social Well-being	Life Skills: Physical Education
	<p>T1 Topic: Create in 3D > Construction > Fine-motor and sensory coordination</p> <p>T2 Topic: Create in 3D > Modeling and construction > Craft skills and techniques</p> <p>T3 Topic: Create in 3D > Modeling and construction > Create freely using a range of materials, manipulation of the materials.</p>	<p>T1 Perceptual Motor Topic: Using senses, climbing. Learners observe where they should go. Coordination Topic: Jungle gym, climbing</p> <p>T2 Perceptual Motor Simple obstacle course e.g. climbing, etc. Coordination Topic: Jungle gym, climbing up and down</p> <p>T3 Perceptual Motor Simple obstacle course, e.g. crawling, climbing, etc.</p>	<p>T3 Topic: Fruits, different types of fruit, tastes and textures of fruit, where fruit comes from, colours and shapes of fruit. Topic: Vegetables, different types of vegetables, tastes and textures of vegetables, where vegetables come from, colours and shapes of vegetables.</p>	<p>T1 Topic: What my body needs to stay healthy.</p>	<p>T2 Topic: Sounds Topic: Sight Topic: Touch</p> <p>T3 Topic: Water > Things that live in water, saving water Topic: Healthy environment > Pollution, recycling</p>	<p>T1 Perceptual Motor Topic: Using senses, observing obstacle course, jumping, running climbing. Learners observe where they should go. Topic: Using sense of touch, experiencing different surfaces. Coordination Topic: Jungle gym, climbing Balance Topic: Balance walking Spatial Orientation Topic: Jump over and move under obstacles</p> <p>T2 Perceptual Motor Simple obstacle course, e.g. jumping, running, crawling, sliding on tummies, climbing, etc. Coordination Topic: Jungle gym, climbing up and down Spatial Orientation Topic: Jump over and move under obstacles</p>

LEARNING ZONES:	Tinker Workshop	The Tree of Light	Wonder Garden	Health Kitchen	Story Cave	Wildlands
Grade R (continued)						<p>T3 Locomotor Topic: hopping, jumping Perceptual Motor Simple obstacle course e.g. jumping, running, crawling, sliding on tummies, climbing, etc. Balance Topic: Balance walking Spatial Orientation Topic: Jump over and move under obstacles</p> <p>T4 Spatial orientation Tunnel games i.e. crawl through tunnels.</p>
Grade 1	<p><u>Wind tunnel</u> Life Skills: Creative Arts > Visual Arts</p> <p>T3 Topic: Create in 3D, make models of using recyclable materials</p>	<p>Life Skills: Physical Education</p> <p>T1 Coordination Topic: Jungle gym, climbing Spatial Orientation Topic: Using senses observing obstacle course, navigate body through various obstacles.</p> <p>T3 Locomotor Topic: Move (climb and crawl) Perceptual motor Topic: Move through obstacle course safely (climbing)</p>	<p>Life Skills: Beginning Knowledge and Personal and Social Well-being</p> <p>T3 Topic: Plants and seeds > Why we need plants, what plants look like (roots, stem, leaves, flowers), different plants (similarities and differences), seeds and where they come from, what plants need to grow, growing a plant from a seed</p>	<p>Life Skills: Beginning Knowledge and Personal and Social Well-being</p> <p>T1 Topic: Healthy habits > Eating healthy foods</p> <p>T3 Topic: Food > Foods we eat, where food comes from, healthy eating > Healthy and unhealthy foods, healthy choices and the right amount of food, storing food</p>	<p>Life Skills: Beginning Knowledge, Personal and Social Well-being</p> <p>T1 Topic: Healthy habits > Eating healthy foods</p> <p>T2 Topic: The five senses and their uses</p> <p>T3 Topic: Plant structure, different plants and seeds, growing a plant from seed Topic: Community > Keeping places clean Topic: Manners and responsibility > Showing kindness Topic: Food > Foods we eat, where food comes from, healthy eating > Healthy and unhealthy foods, healthy choices and the right amount of food, storing food</p> <p>T4 Topic: Water > Water that is safe and unsafe to drink, saving water</p>	<p>Life Skills: Physical Education</p> <p>T1 Perceptual Motor Topic: Using senses observing obstacle course Coordination Topic: Jungle gym, climbing Balance Topic: Balance walking Spatial Orientation Topic: Using senses, observing obstacle course, navigate body through various obstacles Topic: Jump over and move under obstacle</p> <p>T2 Rhythm Topic: Jumping and hopping Spatial orientation Topic: Complete obstacle course using the jungle gym or similar equipment</p> <p>T3 Locomotor Topic: Move (jump, run, climb and crawl) Perceptual motor Topic: Move through obstacle course safely (climbing on, climbing over, crawling, hanging onto bars and balancing)</p>

LEARNING ZONES:	Tinker Workshop	The Tree of Light	Wonder Garden	Health Kitchen	Story Cave	Wildlands
Grade 2		<p>Life Skills: Physical Education</p> <p>T2 Spatial orientation Obstacle course</p>	<p>Life Skills: Beginning Knowledge and Personal and Social Well-being</p> <p>T3 Topic: Soil > Soil for the growth of plants, the value of growing vegetables</p>	<p>Life Skills: Beginning Knowledge, Personal and Social Well-being</p> <p>T1 Topic: What we need to live > Different types of food (for growth, energy, health) Topic: Healthy living, good habits</p>	<p>Life Skills: Beginning Knowledge, Personal and Social Well-being</p> <p>T1 Topic: Food for growth, energy and health, clean air</p> <p>T1 Topic: Qualities of a good friend</p> <p>T1 Topic: Purifying water</p> <p>T2 Topic: Animals and creatures that live in water</p> <p>T3 Topic: Soil > Creatures that live in the soil</p>	<p>Life Skills: Physical Education</p> <p>T1 Balance Control, coordination and balance exercises</p> <p>T2 Spatial orientation Obstacle course</p> <p>T3 Spatial orientation Crawl underneath</p>
Grade 3		<p>T4 Spatial orientation Topic: Obstacle course, climbing</p>	<p>Life Skills: Beginning Knowledge and Personal and Social Well-being</p> <p>T4 Topic: Products and processes > Plants, what we get from plants</p>	<p>Life Skills: Beginning Knowledge and Personal and Social Well-being</p> <p>T2 Topic: Healthy eating > Food groups, vitamins (fruit and vegetables), carbohydrates (bread), proteins (beans, meat), dairy (milk, cheese, yoghurt), a balanced diet</p> <p>T4 Topic: Products and processes > Plants, what we get from plants</p>	<p>Life Skills: Beginning Knowledge and Personal and Social Well-being</p> <p>T2 Topic: Healthy eating > A balanced diet Topic: Recycling > reusing things, making compost, re-using water</p> <p>T3 Topic: Pollution > water, air and land</p> <p>T4 Topic: Plants > What we get from plants</p> <p>T4 Topic: Animals and creatures that help us > Earthworms</p>	<p>Life Skills: Physical Education</p> <p>T2 Spatial Orientation Topic: Complex obstacle course</p> <p>T3 Spatial orientation Topic: Obstacle course that includes activities for crawling, jump and land from a certain height, agility, speed, etc.</p> <p>T4 Spatial orientation Topic: Obstacle course</p>

LEARNING ZONES:	Tinker Workshop	The Tree of Light	Wonder Garden	Health Kitchen	Story Cave	Wildlands
Grade 4	<p><u>Wind tunnel</u> Natural Sciences and Technology</p> <p>Knowledge Strands: Structures, Matter and Materials</p> <p>T2 Topic: Strengthening materials</p> <p><u>Electrical circuits</u> Knowledge Strands: Energy and Change, Systems and Control</p> <p>T3 Topic: Energy around us > Input and output energy</p>	<p>Natural Sciences and Technology</p> <p>Knowledge Strands: Energy and Change</p> <p>T3 Topic: Energy and energy transfer > Energy and sound</p> <p>Knowledge Strands: Energy and Change, Systems and Control Topic: Energy around us > Input and output energy</p>	<p>Natural Sciences and Technology</p> <p>Knowledge Strands: Life and Living, Structures</p> <p>T1 Topic: Structure, of plants, what plants need to grow</p> <p>Knowledge Strands: Energy and Change, Systems and Control</p> <p>T3 Topic: Energy for life > Energy from food</p>	<p>Life Skills: Health and environmental responsibility</p> <p>T4 Topic: Dietary habits of children</p>	<p>Life Skills: Health and environmental responsibility</p> <p>T2 Topic: Social Responsibility > Caring for people</p> <p>T3 Topic: Health and environment > Pollution</p> <p>T4 Topic: Dietary habits of children</p>	<p>Life Skills: Physical Education</p> <p>T1 Topic: Participation in activities that promote different ways to locomote, rotate, elevate and balance using various parts of the body with control.</p>
Grade 5	<p><u>Wind tunnel</u> Natural Sciences and Technology</p> <p>Knowledge Strands: Energy and Change, Systems and Control</p> <p>T3 Topic: Energy and movement</p> <p><u>Electrical circuits</u> Natural Sciences and Technology</p> <p>Knowledge Strands: Energy and Change, Systems and Control</p> <p>T3 Topic: Energy and electricity > Cells and batteries</p>	<p>Natural Sciences and Technology</p> <p>Knowledge Strands: Energy and Change, Systems and Control</p> <p>T3 Topic: Energy and movement</p>	<p>Natural Sciences and Technology</p> <p>Knowledge Strands: Life and Living, Structures</p> <p>T1 Topic: Plants > Rely on resources (sun, water, air, soil) Topic: Food chain Topic: Life cycles > Plant a plant (identifying and labelling the stages)</p>	<p>Natural Sciences and Technology</p> <p>Knowledge Strands: Life and Living, Structures</p> <p>T1 Topic: Food and feeding > food chain</p> <p>Life Skills: Health and environmental responsibility</p> <p>T3 Topic: Healthy eating for children > South African Food-Based Dietary Guidelines > Dietary needs of children</p>	<p>Life Skills: Social and environmental responsibility</p> <p>T3 Topic: Healthy eating for children > South African Food-Based Dietary Guidelines > Dietary needs of children Topic: Safety measures at home and the environment > Fire safety Topic: Water as an important basic need > Different ways of saving water > Different ways of protecting the quality of water</p> <p>T4 Topic: Local environmental health problems</p>	<p>Life Skills: Physical Education</p> <p>T1 Topic: Participation in activities that promote different ways to locomote, rotate, elevate and balance using various parts of the body with control.</p>

LEARNING ZONES:	Tinker Workshop	The Tree of Light	Wonder Garden	Health Kitchen	Story Cave	Wildlands
Grade 6	<p><u>Electrical circuits</u> Natural Sciences and Technology Knowledge Strands: Energy and Change, Systems and Control</p> <p>T3 Topic: Electrical circuits > A simple circuit</p> <p><u>Wind tunnel</u> Natural Sciences Knowledge Strand: Energy and Change</p> <p>T3 Topic: Renewable ways to generate electricity</p>		<p>Natural Sciences and Technology Knowledge Strands: Life and Living, Processing</p> <p>T1 Topic: Photosynthesis > Plants and food</p>	<p>Natural Sciences and Technology Knowledge Strands: Life and Living, Processing</p> <p>T1 Topic: Nutrients in food > Food Groups Topic: Balanced diet > Food groups Topic: Food processing</p>	<p>Life Skills:</p> <p>T3 Topic: Social Responsibility > Acts of kindness towards others</p> <p>T4 Topic: Food Hygiene</p> <p>Natural Sciences and Technology</p> <p>T1 Topic: Food processing</p> <p>T2 Topic: Clean water: using a sieve to clean water</p>	
Grade 7	<p><u>Wind tunnel</u> Natural Sciences Knowledge Strand: Energy and Change</p> <p>T3 Topic: Sources of renewable energy > Wind</p> <p><u>Marble run</u> Natural Sciences Knowledge Strand: Energy and Change</p> <p>T3 Topic: Potential and kinetic energy</p> <p><u>Electrical circuits</u> Technology: Electrical systems and control</p> <p>T3 Topic: Simple Electric Circuits</p>	<p>Natural Sciences Knowledge Strand: Energy and Change</p> <p>T3 Topic: Kinetic Energy</p>	<p>Natural Sciences Knowledge Strand: Life and Living</p> <p>T1 Topic: The biosphere > Requirements for sustaining life Topic: Biodiversity > Diversity of plants</p>	<p>Life Orientation: Development of the self in society</p> <p>T4 Topic: Personal diet and nutrition > A plan for healthy eating habits</p>	<p>Natural Sciences</p> <p>T1 Topic: Ecosystem, biodiversity</p> <p>Technology: Mechanical systems and control</p> <p>T3 Topic: Cranks and pulleys</p> <p>Life Orientation: Development of the self in society</p> <p>T4 Topic: Personal diet and nutrition</p>	