

ARROW

ECO WORLD

Environmental Studies

2

Content Developer
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PREFACE

ECO WORLD by Arrow Publications is a new series of Environmental Studies textbooks for classes 1 and 2, designed as per the New Curriculum released by the Council for the Indian School Certificate Examinations (CISCE) in November 2016.

The series links all the concepts to the learners immediate environment so that he or she can relate to it. Throughout, an interactive approach has been adopted in order to involve the learner actively in the learning process.

KEY FEATURES

- * Interesting content with an attractive layout and colourful illustrations make the text appealing
- * Interactive approach throughout the lesson involves learners actively
- * **Recap** helps in quick recapitulation of the main points in the lesson
- * **Word Power** presents new and difficult words
- * **Read and Answer** reinforces learning
- * **Did You Know?** provides interesting bits of information
- * **Communication** helps learners interact with each other
- * **Creative Expression** develops in learners drawing skills
- * **Hots** contains questions to test the child's Higher Order Thinking Skills
- * **Know More** gives additional information
- * **Assessment** sheet provides for continuous assessment and evaluation of learner's progress
- * Activity Book provides interesting activities and projects

We hope the series will make for a joyful and meaningful learning experience.

- Publishers

SYLLABUS

Key Concepts	Learning Outcomes
Theme 1 : About Me * Revisit the concepts in class I. * Describe self * Main functions of all parts of body (external), sense organs. * Care of body parts and sense organs	Children will be able to : * describe personal details verbally as well as in simple written form about their likes and dislikes and respect other's likes/dislikes; * describe functions of different body parts and the sense organs; * draw and label external parts of the body, sense organs, self-portrait; * share personal hobbies and appreciate other's hobbies;
Theme 2 : Others in My World * Revisit the key concepts of class I. * Family Tree showing distant relations (extended family). * Togetherness through sharing, fun, recreation, festivals with family and relatives. * Celebration of important events/ days/ festivals. * Care and concern for differently-abled people	Children will be able to : * draw family tree of extended family members; * discuss and narrate how festivals are celebrated at home/school and in the neighbourhood; * appreciate the need for celebration of national days and other festivals/other important days; * take care of pets and show empathy and compassion towards pets; * show care and concern towards old, sick and differently abled; * appreciate the cooperation and support of neighbours/ others; * describe the role of family members and also express one's own role.
Theme 3 : My Needs - Air * Simple properties of air: air occupies space, has weight, expands when we heat, feel it, etc. * Causes of air pollution * Ways to reduce air pollution in the surroundings * Air borne diseases and their prevention (some common diseases)	Children will be able to : * observe some properties of air; * identify and discuss various causes of air pollution; * suggest some ways to deal with air pollution from smoke/ fumes; * name some common diseases spread through air;
Theme 4 : My Needs - Water * Sources of water: natural and man-made * Need for water for plants, animals and human beings. * Clean water for drinking - ways of purification of water * Causes of water pollution * Judicious use of water	Children will be able to : * differentiate between natural and man-made water resources; * discuss the need of water in daily life for plants and animals; * discuss ways to keep the water sources clean; * discuss and suggest ways to prevent the misuse of water; * explain reasons for water pollution in the surroundings (awareness level only);
Theme 5 : My Needs - Food * Food: Importance and need * Major Food items: cereals, dals, fruits, vegetables, milk. * Food items for body building, energy giving, for wear & tear of body, vitamins, water, fibre. * Healthy and junk food.	Children will be able to : * identify and name various food items; * discuss need for food for human body; * cite examples of food items we get from plants and animals; * explain the need of various kind of foods required for body building, energy giving and body resistance * identify junk food and give reasons why it is not good for health;
Theme 6 : My Needs - Shelter * Revisit concepts of class 1. * Houses in small and large cities * Material used in various kind of houses * Cleanliness of the house (ways). * Decoration of Houses.	Children will be able to : * identify various types of houses and name them; * discuss need for cleanliness in houses; * enlist kind of material used for making different types of houses; * appreciate the need for decorating houses.
Theme 7 : My Needs - Clothing * Variety of cloth material cotton, silk, wool, canvas, rayon etc. and their use in different seasons. * Sources of natural and man-made fibres * Dress material suited to different climatic conditions. * Care of different types of clothes.	Children will be able to : * discuss the need of clothes for living beings; * identify sources of natural and man-made fibres; * give reasons why cotton clothes should be worn in summer and silk/woollen clothes in winters, rayon/ synthetic in the rainy season;

<p>Theme 8 : Keeping Oneself Clean, Safe and Healthy</p> <ul style="list-style-type: none"> * Cleanliness in the surroundings and at public places. * Use of dustbin at public places. * Ways of garbage disposal at home and in the surroundings. * Healthy body and mind: rest, exercise, yoga, play, outdoor/indoor games. * Safety at home/surroundings. * Care of body. * Good/bad touch. 	<p>Children will be able to :</p> <ul style="list-style-type: none"> * suggest some ways of keeping the surroundings clean (use of dustbin and segregation of garbage); * discuss various ways of garbage disposal at home/in the surroundings; * discuss various benefits of physical activities like yoga, exercises, games; * understand how to take care of one's safety * differentiate between good touch and bad touch
<p>Theme 9 : Places in the Neighbourhood</p> <ul style="list-style-type: none"> * Need for public places in the locality. * People who help us * Various emergencies and relief - police station, fire brigade. * Recreational places in the neighbourhood. 	<p>Children will be able to :</p> <ul style="list-style-type: none"> * discuss and give reasons for need of public places in the neighbourhood; * explain various functions of each place in daily life; * appreciate the services/help provided by various people who are involved in different professions;
<p>Theme 10 : Plants</p> <ul style="list-style-type: none"> * Plants on land, water, climbers. * Parts of plants: root, stem, leaf, flower, fruit, seed. * Plant products - use at home. * Plant modification: underground stems, roots. * Care and concern for plants 	<p>Children will be able to :</p> <ul style="list-style-type: none"> * identify and name the different parts of the plant and discuss their functions; * appreciate the uses of various parts of a plant; * distinguish between different kind of plants based on their habitat i.e., in water, on land; * discuss reasons for modification of different parts of some plants.
<p>Theme 11 : Animals</p> <ul style="list-style-type: none"> * Body parts of pet animals. * Life cycle of butterfly. * Care and compassion for pets and other animals. * Animal characteristics: move, grow, eat food. * Animal houses/habitats * Need of shelter for animals. 	<p>Children will be able to :</p> <ul style="list-style-type: none"> * discuss some observable characteristics of animals; * differentiate and compare various animal habitats; * show sensitivity and compassion towards animals; * narrate the process of the life cycle of a butterfly in their own words.
<p>Theme 12 : Transport</p> <ul style="list-style-type: none"> * Need for various kind of transport * Vehicles driven by use of petrol, diesel, CNG, electricity. * Various modes of transport used in big cities * Causes of traffic jams, pollution * Ways of checking noise pollution and its effect 	<p>Children will be able to :</p> <ul style="list-style-type: none"> * discuss uses of transport in the surroundings; * give reasons for traffic jam and suggest ways to reduce it; * discuss causes of air and noise pollution;
<p>Theme 13 : Communication</p> <ul style="list-style-type: none"> * Need for communication. * Ways of communication available in cities/public places. * Use of ICT (email, SMS, internet) * Communication for recreation. 	<p>Children will be able to :</p> <ul style="list-style-type: none"> * discuss the need and importance of communication in day to day life; * identify and list out various modes of communication; * discuss the positive and negative use of some modes of communication;
<p>Theme 14 : The World Around Me (Sun, Moon, Sky and Stars)</p> <ul style="list-style-type: none"> * Changes seen in sky in day, afternoon, night. * Sky in rainy days. * Various seasons and sky. * Symbolic and route map. * Solar system and other heavenly bodies. * Day & Night formation (through picture only). 	<p>Children will be able to :</p> <ul style="list-style-type: none"> * identify the different heavenly bodies seen during the day and at night; * describe various heavenly bodies seen in the day/afternoon and at night;
<p>Theme 15 : Time, Space, Direction</p> <ul style="list-style-type: none"> * Time: Concept of day, week, month, and year. Yesterday, tomorrow and today. * Directions * Location of places in the surroundings. 	<p>Children will be able to :</p> <ul style="list-style-type: none"> * distinguish the different times in one full day (24 hours) - morning, afternoon, evening, night; * discuss and list out the activities done in the morning, afternoon, evening and night; * give and follow simple directions * discriminate between location of various objects

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I AM ME

My Likes and Dislikes

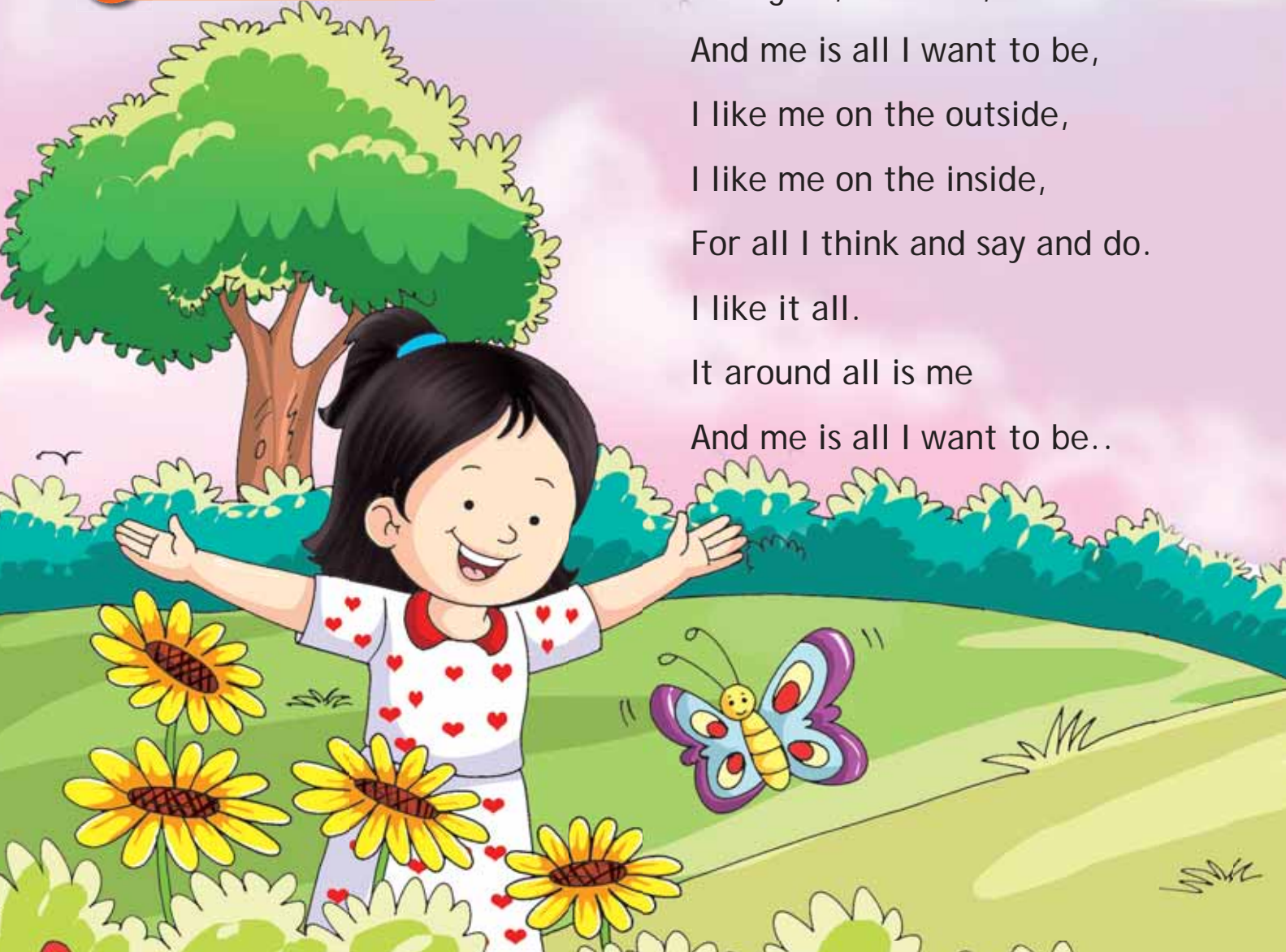
Myself

My Favourite Things

My Hobbies

Sing - a - Song

I am glad, I am me,
And me is all I want to be,
I like me on the outside,
I like me on the inside,
For all I think and say and do.
I like it all.
It around all is me
And me is all I want to be..



What are the things you like about yourself?

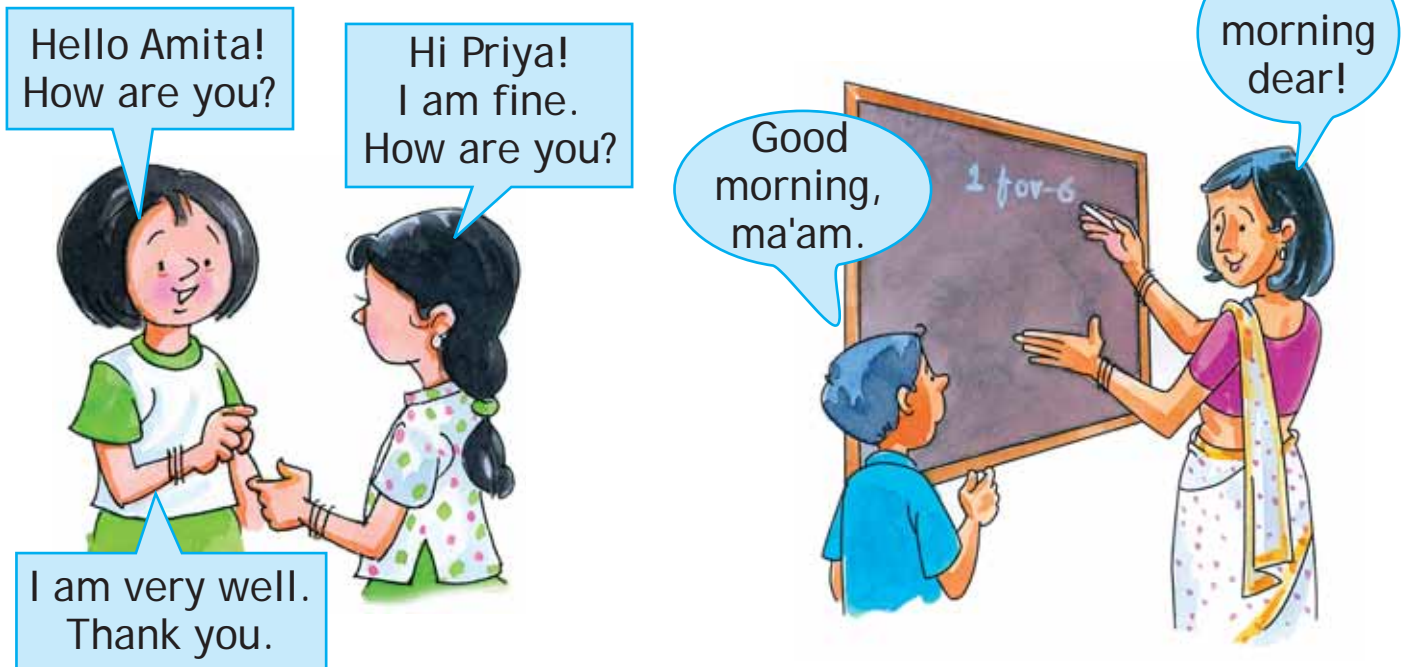
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Myself

When we meet someone we know we greet him or her.



How do you greet your teacher?

How do you greet your friend?

When we meet someone we don't know we introduce ourselves.



How do you introduce yourself?
Hello, I am Nice to

We also tell the person a little about ourselves.
Here's what Ayaan has to say about himself.

Hello ! I am Ayaan.
I am seven years old.
I am in class 2B.
I live at Karol Bagh in Delhi.
My birthday is on 15 September.
I like to sing and dance.
In my free time, I play with my pet dog.



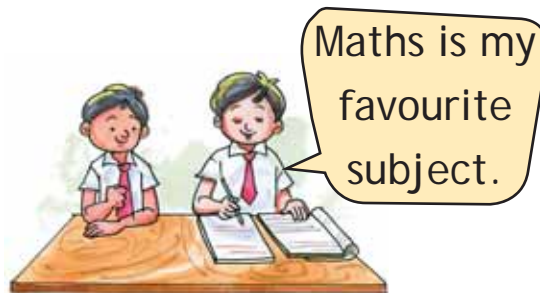
Would you like to introduce yourself to the class? Write down similar sentences about yourself and read it to the class.

.....
.....
.....
.....

Paste your photo here.

My Favourite Things

We all like some things. Something that we like the most of all is our favourite thing.



What is your favourite

fruit? :

place? :

vegetable?:

book? :

colour? :

game? :

food? :

subject? :

My Hobbies

There are some things we love to do in our free time. Something we enjoy doing in our free time is called a hobby.



My hobby is reading.

My hobby is drawing and colouring.



My hobby is singing and dancing.



I love to play outdoor games in my free time.



I love to go hiking on the mountains.

I love to collect stamps.



What are your hobbies?

.....

.....

My Likes and Dislikes

There are some things we like to do.

There are some other things we may not like to do.

I like to eat noodles.
They are so yummy!
I don't like pizzas.



I like to go to school.
But I don't like to do
homework!



I like to play with
my dolls. I don't
like computer
games.



I like to watch
funny movies. I
don't like to watch
scary movies.



Write the things you like to do and you don't like to do.

I like to *I don't like to*
.....
.....

My Belongings

There are many things you have. They are your belongings. Your school bag, books, lunch box and pencil case are some things you carry to school.

You need them at school.

There are some things you have at home too. Your toys and games are things you keep at home.

You like all your things, don't you?

You must use them carefully.



What are the things you like a lot?

.....
.....

Remember, you are special because you are different. No one looks the way you do. No one talks, walks or plays or thinks like you. Be the way you are. Be happy to be who you are.

Recap

- * *When we meet someone we know we greet him or her.*
- * *When we meet someone we don't know we introduce ourselves.*
- * *Something that we like the most of all is our favourite thing.*
- * *Something we enjoy doing in our free time is called a hobby.*
- * *There are some things we like to do and some things we do not like to do.*
- * *Things you have are your belongings.*

Word Power

greet	favourite	stamps	games	introduce	belongings
birthday	outdoor	gifts	hobby	toys	reading
singing	dancing	hiking			



Read and Answer

I. Complete the following with the words given.

introduce favourite hello hobby belongings

1. When we meet someone we know we say _____ .
2. When we meet someone new, we _____ ourselves.
3. Something we enjoy doing in our free time is called a _____ .
4. Things you have are your _____ .
5. Something we like the most is our _____ thing.

II. Write T for true statements and F for false statements.

1. We are happy to be who we are. []
2. We carry our toys to school. []

- 3. Reading is a hobby. []
- 4. We take our books to school. []
- 5. We say bye when we meet someone. []

III. Answer the following.

1. Name 2 of your favourite things.

2. Name 2 hobbies you have.

Communication

Ask your partner these questions.



What is your mother tongue?

.....
.....

When is your birthday?



.....
.....

Who is your best friend?



.....
.....

What do you like about yourself?



.....
.....



Life Skills and Values

Everyone is special in his or her own way. Everyone has his or her own likes and dislikes.

We must appreciate the likes and dislikes of others. We must understand that everyone has emotions and feelings (happy, sad, angry, surprised, excited). We must learn to talk in a polite manner to everyone and must never hurt anyone.