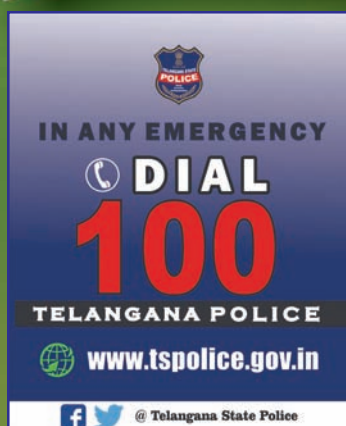
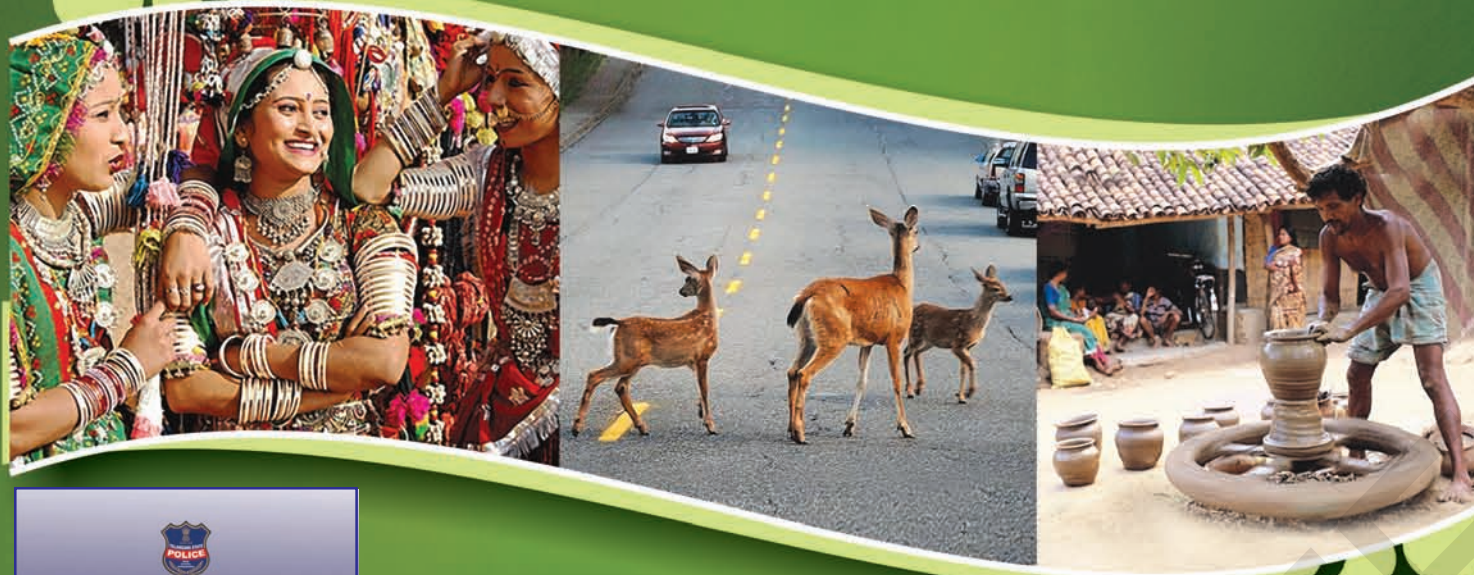


*"What we are doing to the forests of the world is but a mirror reflection of what we are doing to ourselves and to one another."*

— *Mahatma Gandhi*



State Council of Educational Research and Training  
Telangana, Hyderabad

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# ENVIRONMENTAL EDUCATION

**CLASS 9**



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## Our Future

Yes....!

It's all in our hands...! It's all in our acts  
Birds, worms, ducks, flies, apes, crocodiles  
Whatever....!

They may not be intelligent , perhaps not think brilliant

They live just their lives

at the most , die filling others bellies. But,

Neither snakes think of destroying birds, nor eagles try to ruin snake pits

They live just their lives, they live and let others live

They store their grain, their nests they retain

They save for their child, but not rob the world

They struggle for their existence , but do not add pollutants

Who taught them to follow the path of light

Who tuned them to the rhythm of life

Why are we so brutal among the children of mother earth

Is it for being human? or for being smartest on earth?

How wise are we !

In jabbing our own legs , killing the goose for golden eggs

Before nature roars and smashes, and the earth turns into ashes

let's wake up! let's clean up

let's save tomorrow

Yes, I truly....! It's all in our hands, It's all in our acts.



ప్రకృతి నేర్పే పాఠాలు కోసం సిద్ధం కావాలి

**ప్రకృతి మిత్ర - ఎన్.జి.సి**



**ప్రకృతి శిబిరాలు**

- అనుభవం నేర్పే పాఠాలు

అనుభవం నేర్పే పాఠాలు ఎంతో గొప్పవి. పదిలపరచుకోగల గొప్ప జ్ఞాన మార్గమే అనుభవం అంటాడు ఐన్స్టీన్

ఇది గొప్ప అవకాశం ...పిల్లలకి బీచర్లకి  
.....కలిసి మెలిసి నేర్చుకోడానికి ఆలోచనలు పంచుకోడానికి  
.....ప్రకృతిని ప్రత్యక్షంగా అనుభవించడానికి

చెట్ల నాట్యంలో, మేఘాల పరుగులో, సెలయేటి నడకలో,  
సూర్యకిరణాల తళతళలో, పిట్టల కిలకిలరావాల్లో,  
లేగదూడ గెంతుల్లో, చండిపాప నవ్వుల్లో, కురిసే వాన జల్లుల్లో,  
రాలే నక్షత్రాల్లో, నీళ్ళలో గెంతే చేపల్లో, వాన చినుకుకి పరిమళించే మట్టిలో,  
పాముల బుసలోని గుసగుసల్లో, ఎగిసిపడే సముద్రపు అలలలో,  
నిర్మలంగా ఆగిన చెరువు నీళ్ళలో, మొలకెత్తే గింజల్లో,  
పూసే పూవుల్లో, కాసే కాయల్లో, పండే పండ్లలో,  
ప్రకృతి స్వరూపంలేని స్వభావంతటని ప్రదేశం లేదు.

ఆస్వాదించే మనస్సు ఉంటే ఎప్పుడయినా ఎక్కడైనా అనంత విశ్వంలో  
అన్ని కోణాలు అద్భుతంగా కనిపిస్తూనే ఉంటాయి.  
కళ్లు తెరిచి మనస్సు నిలిపి ప్రయత్నిద్దాం.





# ENVIRONMENTAL EDUCATION

## CLASS - 9

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## Foreward.....

Many rules...! Many more successions...? countless interdependencies...! innumerable accumulations of life...! Disclosure of multiple varieties as we dive in. Nature is the most wonderful manifestation of creativity. The most innovative creator has principled it to be a miracle. new terms / words must be coined to describe nature , Charles Darwin spell bound in his book “Origin of Species”. It is true! countless species of plants and innumerable species of animals found everywhere adds an enchanting element to the nature. Life is found in ocean depths, snow peaks, sandy deserts and where not! Perhaps only the earth exhibits such a vast variety of life in the universe.

Nature is stable yet dynamic, varied but interdependent. Home of all organisms. Each organism has its own habitat, its own food chain. They are knit together but they maintain their identity. They follow rules not to intrude others paths. A tree is a common habitat for an ant a snake a worm and a bird. Nature provides shelter in the form of forests, mountains hills and lakes. Organisms live there abided by rules. Wonderful lessons are taught by each and every creature living in nature, provided we are patient enough and recipient to them. Let's give this a thinking! A serious thinking in fact?

What are we a negligible part of millions of species, doing when compared to the other organisms? Misusing the boons of nature, wasting natural resources and becoming greedy robbers of nature. No other organism has this credit of destroying mother nature except we, the human beings. Nothing human. We claim to relish the beauty of greenwoods but we manage to cut them down in the name of development. We are fond of giving lectures at every possible opportunity about water being the life giver life saver etc., but we never bother to stop a leaking tap. What an irony! We plunder minerals, we multiply factories polluting the environment in all the ways we can. We face the result in the form of contaminated air and infected food. We are inviting the disaster by piercing the Ozone layer that safeguards the earth. Just think! what are we aiming at?

Do we want earth to be turned into ashes? or is it that we want the next generations to inherit hunger, thirst and screams of helplessness?

No! Absolutely not! It is high time to know our mistakes! Let's realise them! Let's be grateful to the environment! Let's be wise in sustaining the development! What is the fun if the development, costs us our life! We can no more do that! We shall save the beautiful and fertile mother earth not for the sake of earth but for us to live on it.

‘Environmental Education’ the book in your hand lets you know about the do's and don'ts hence forth. Values cannot be taught, they have to be caught. Caught while acting. Therefore many activities are imparted in this book. Do them with the help of your teacher. Share your Ideas thoughts with all. Hope you'll inculcate eco friendly behaviour.

**Director**  
**State Council of Educational Research and Training**  
**Telangana, Hyderabad.**

## **What we do, whom to do**

To reach the goals of environmental education which was implemented as a school subject in our school, teachers and students should implement, it with personal responsibility, ownness and by adding some other concepts and strategies.

### **For teachers...**

- To act as a responsible citizen towards environment concepts discussed in the syllabus are all treated as environmental education.
- Topics are identified based on different themes – food, health, agriculture, industries, natural resources, natural world.
- Before starting every chapter teacher would discuss about the topic with students. So there is a need for teacher to collect some other source material. Activity performance is totally based on these discussions only.
- Collection of data, interview, field trips, projects etc. Strategies are useful to conduct activities.
- Make your students to talk about their observations and presentations. Teacher should add some more questions along with text book, for value discussions.
- The topics in environmental education is not like other subject areas, so don't relate this with exams, slip tests, marks etc. Presentation may be in a free and joyful environment. You should award marks or grades to the students, based on your observation.
- Based on resources, local conditions teacher have freedom to select topics in the book. There is no compulsion to follow only the order mentioned in text book.

### **For students...**

- Relate these items to your local environment and conduct activities.
- Participate in pre and post discussion of every activity and express your feelings and possible solutions.
- Perform activities in groups. Collect whatever information necessary and prepare required reports on them.
- Conduct school level seminars, symposiums, prepare slogans related to environmental awareness every day in school assembly and display it on bulletin board.
- Collect different news items on environmental awareness from news papers, magazines and display them on wall magazine.
- Ask your head master to pay subscriptions for Down to Earth, My school, Readers digest Chekumuki, Prerana and other science magazines.
- Prepare your own activities and implement at your school or village.
- Conduct environmental awareness programmes at factories, fields, slum areas etc.
- Tomorrow is yours only, you are the future nations wealth. You are the responsible persons than your teachers to implement this book. So dear students think scientifically, behave ecofriendly.

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## OUR NATIONAL ANTHEM

- Rabindranath Tagore



*Jana gana mana adhinayaka Jaya he  
Bharatha bhagya vidhata!  
Punjab Sindh Gujaratha Maratha,  
Dravida Utkala Banga!*

*Vindhya Himachala Jamuna Ganga,  
Uchchala Jaladhi taranga!  
Tava shubha name jage!  
Tava shubha asisha mage!  
Gahe tava jaya gatha!*

*Jana gana mangala dayaka jaya he!  
Bharatha bhagya vidhatha!  
Jaya he! jaya he! jaya he!  
Jaya jaya jaya jaya he!*

## PLEDGE

- Pydimarri Venkata Subba Rao

“India is my country; all Indians are my brothers and sisters.  
I love my country, and I am proud of its rich and varied heritage.

I shall always strive to be worthy of it.

I shall give my parents, teachers and all elders respect,  
and treat everyone with courtesy. I shall be kind to animals.

To my country and my people, I pledge my devotion.

In their well-being and prosperity alone lies my happiness.”