

## SCHEDULE

Day 1 April 20 Monday	10:00 am – 11:00 am : Inauguration 11:30 am – 12:30 am : Ice breaking, eco-games – Dr. Nelson P. Abraham (National Trainer) 01:00 pm – 04:00 pm : Biodiversity conservation – An introduction & Tips for nature studies, method of field note writing – Dr. Punnen Kurian
Day 2 April 21 Tuesday	10:00am – 01:00 pm : Learn through Nature- Dr Sebastian Joseph 02:00pm – 04:00pm : Medicinal Plants and Wild Trees - At TIES Campus –Mr. Sarath
Day 3 April 22 Wednesday	10:00am – 04:00pm : Butterflies – theory and field trip At TIES Campus - Mr. Sarath
Day 4 April 23 Thursday	10:00am – 04:00pm : Dragonflies and damsel flies – Theory class and field trip – Dr. Abraham Samuel (At TIES campus & nearby rivulets)
Day 5 April 24 Friday	10:00am – 04:00pm : Bird watching introduction - Mr. Sarath 02:00pm – 04:00pm : Birds and bird nests – Ms. Siby Mosses
Day 6 April 25 Saturday	10:00am – 04:00pm : Urban bird survey Kottayam
Day 7 April 27 Monday	10:00am – 04:00pm : Fresh water fishes – theory and field trip – At Thiruvanchoor; Naalumanikkaattu – Dr. C P SHAJI
Day 8 April 28 Tuesday	08:00am - 04:00pm : Field trip - At Kumarakom (Common Water Birds & Mangroves)
Day 9 April 29 Wednesday	10:00am – 01:00pm : Total Quality Child –training At TIES campus– Dr. Nelson P. Abraham 02:00pm – 04:00pm : Apiculture- An Introduction - Mr. Sarath
Day 10 April 30 Thursday	06:00am – 04:00pm : Field trip At Vagamon.
Day 11 May 02 Friday	10:00am – 01:00pm : Snakes- An Introduction – Mr. Sarath 02:00am – 04:00pm : LEARN FROM NATURE - Folk toy making – Dr. Punnen Kurian
Day 12 May 04 Monday	10:00am – 01:00pm : Mammals - An Introduction – Mr. Sarath 02:00am – 04:00pm : Pets and Domestic animals - Dr. Punnen Kurian
May 6 & 7 (Wed - Thu)	Two days : Nature camp at Thattekkad Bird Sanctuary
Day 14 May 09 Saturday	: Exam day-Final Evaluation

Note : Changes may occur in the programme schedule due to technical or logistical constraints.

**FREE!!**

T-SHIRT  
CAP  
BACK PACK  
NATURALIST DIARY  
ID CARD  
FIELD GUIDE etc.

For further details and registration please contact  
**Mr. Sarath Babu, Nature Education Officer,**  
TIES at 9496794305 or Log on to our website.  
Project Director

Junior & Senior Naturalist Certificate Course  
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Come &  
Enjoy  
with Nature

# TIES JUNIOR NATURALIST CERTIFICATE COURSE

FOR SCHOOL CHILDREN  
2nd-8th Standard

2026 APRIL 20 to MAY 09

- ◆ Making children more passionate about nature and life through systematic nature studies
- ◆ Master the art of observing, identifying, and appreciating plants and animals.
- ◆ Helps in class room learning, character moulding and personality development
- ◆ Orient towards nature and inculcate the spirit of eco-friendly lifestyles, more health and more vigour
- ◆ Forge a path towards a fulfilling career.
- ◆ Engage with esteemed taxonomists and scientists, expanding horizons and gaining invaluable insights."



TROPICAL  
INSTITUTE OF  
ECOLOGICAL  
SCIENCES  
www.ties.org.in



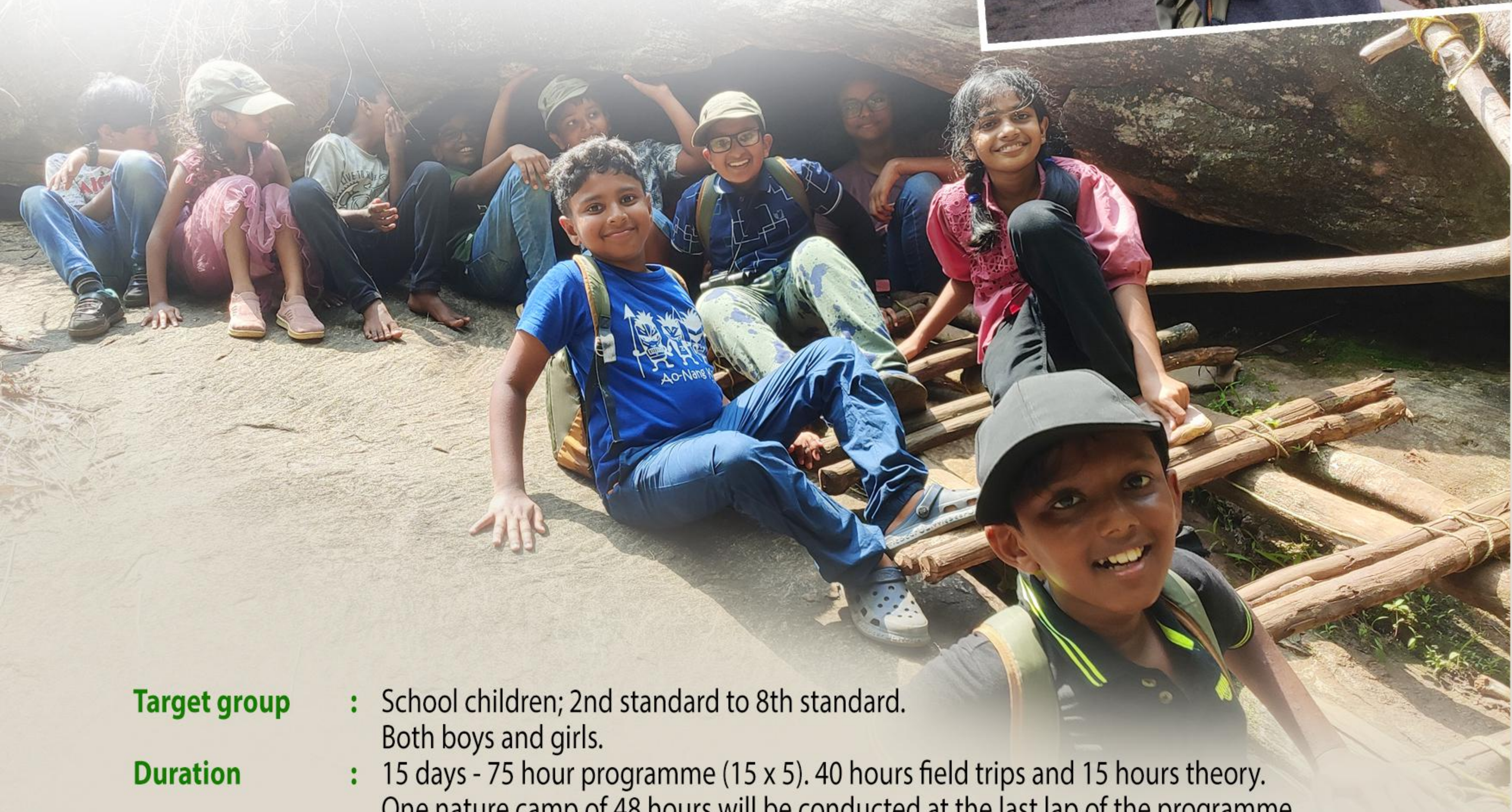
## JUNIOR NATURALIST CERTIFICATE COURSE

Unlocking the naturalist within, TIES presents the Junior Naturalist Certificate Course, igniting a lifelong love for nature among our youth. Guiding children to become stewards of the environment, this program nurtures their innate curiosity into a passion for scientific exploration and conservation.

Through hands-on field trips, engaging demonstrations, and immersive experiences, participants will gain the skills to identify plants and animals, while fostering a profound connection with the diversity and beauty of our natural world.

Join us on this transformative 15-day journey, where classroom sessions and field excursions converge to create a holistic learning experience.

Enroll today and embark on a path towards becoming a certified Junior Naturalist, equipped to make a difference in the world.



- Target group** : School children; 2nd standard to 8th standard. Both boys and girls.
- Duration** : 15 days - 75 hour programme (15 x 5). 40 hours field trips and 15 hours theory. One nature camp of 48 hours will be conducted at the last lap of the programme.
- Mode of teaching** : Demonstration classes of short duration (with power point).  
Field study trips with experts; assignments; mini project.
- Venue** : Classes will be at TIES campus. Field trips are at various wild spots.
- Fee** : Rs.4000/- (Rupees four thousand only).  
Fee covers tuition fee, field expert guidance, lecture notes and hand book, morning and evening light refreshments (during each day of the course); Naturalist Diary, field guides, field T-shirt, TIES cap, Book, Pencil, and ID card (during field trips uniform cap and T-shirt should be worn).  
Participants should reach TIES and other locations of field studies at their own expense (the time table and schedule will be given in advance).
- Certificate** : All students successfully completing the course will get a certificate awarding them as Junior Naturalist.

### COURSE SYLLABUS

#### 1. Systematic Nature Documentation (Basic Level)

- Introductory session: Training in field note preparation, naturalist diary creation, equipment basics, and digital resource management.

#### 2. Bird-Watching and Identification

- Detailed focus on common bird identification, including plumage, eye ring, habits, and habitats, alongside ecological insights.

#### 3. Birds in Local Habitats

- Study of common birds in various habitats like home, paddy fields, and wetlands, covering nesting, migration, and conservation measures.

#### 4. Butterflies and Moths

- Identification and life cycle study of common butterflies and moths, including host plants, habitat, and photography techniques.

#### 5. Dragonflies and Damselflies

- Field identification, habitat exploration, and photography of common dragonflies and damselflies.

#### 6. Freshwater Fishes

- Identification of common species and traditional fishing techniques.

#### 7. Amphibians and Reptiles

- Introduction to Kerala's reptiles and amphibians, including snake identification, first aid, and common species overview.

#### 8. Mammals

- Field identification session focusing on Kerala's wild animals, with special attention to small mammals and identification through tracks.

#### 9. Wildflowers and Medicinal Plants

- Identification, medicinal uses, habitat study, and local plant trivia.

#### 10. Sacred Groves, Village Hedges, and Rivulets

- Biodiversity study of common habitats, including field trips covering ecosystems and model biodiversity evaluation.

#### 11. Pets and domesticated animals

- Ornamental fish farming; aquaculture; apiculture; etc.

Junior  
Naturalist  
Certificate  
Course

