Cyber & AI Literacy — Syllabus Guide for Parents

Classes 3 to 10 · What your child will be tested on, and how

What This Olympiad Tests

No single school board has a fixed Cyber & AI Literacy syllabus yet — this is deliberately ahead of the curve. iThinkers has built this ladder on the OECD-PISA "Learning in the Digital World" framework and the direction PISA has announced for its 2029 Media & AI Literacy assessment, so your child begins this thinking years before the world's benchmark test catches up. Most questions are **scenario-judgement** questions — a real situation and "what is the safest, smartest response?" Safety is always taught as confident judgement, never fear: every safety question ends in something a child can actually do (check, ask, report, verify), so children finish the paper feeling capable, not scared. No real app or platform names are ever used in questions, so the skills stay useful for years.

Exam Format at a Glance

Format	30 to 45 Multiple Choice Questions, 1 mark each, depending on class
Duration	45 minutes
Negative marking	None — every attempt counts, so children can try every question with confidence
Answer sheet	OMR sheet, filled with a 2B pencil
Question style	Mostly real-life scenarios (a chat message, a pop-up, an app permission) with a best-response choice

The Skill Areas Your Child Will Build

Every question — from LKG to Class 10 — falls under one of these four skill areas. They stay the same every year, so you can watch your child's growth along a single thread as they move up the classes.

Skill Area	Starts as (early years)	Grows into (by Class 10)
Digital Foundations	Knowing and handling devices carefully	How networks, data and online platforms actually work
Online Safety & Citizenship	"My personal information is private"	Recognising social-engineering tricks, understanding digital rights, and knowing where to report problems
Computational Thinking	Putting steps in the right order	Breaking problems down, following algorithms, spotting and fixing logic errors
AI Understanding & Critical Use	"Some machines seem smart"	How AI learns, why it makes mistakes, spotting bias, and checking AI-generated content before trusting it

How We Ask Questions

iThinkers questions are not about memorising facts. Each question is designed to check one of these four thinking abilities:

How questions are asked	What it means for your child
Recognise & Explain	Name a device, understand a risk, or explain in simple terms how something (like a recommendation feed) actually works.

Judge the Situation	Given a real scenario, choose the safest and smartest response — this is the heart of the subject.
Think in Steps	Put instructions in the right order, follow simple if-then logic, or find a bug in a sequence of steps.
Verify Before You Trust	Check a claim, a message, or an AI's answer before believing or forwarding it.

What Your Child Will Learn, Class by Class

Find your child's class below to see exactly which topics are covered. These are the same topics your child's school already teaches (NCERT/CBSE/state-board common core) — iThinkers simply asks about them in a more thoughtful, real-life way.

Class 3	age ~8–9
Digital Foundations	Common devices & their parts, handling them carefully, what the internet lets us do (learn, talk, watch)
Online Safety & Citizenship	Personal information (name, address, school, photos) is private, asking a trusted adult before clicking or downloading, kindness on screens, balanced screen time
Computational Thinking	Putting steps in order (like getting ready for school), following exact instructions, sorting objects by rules
AI Understanding & Critical Use	Machines that seem smart around us (voice assistants, map apps) are tools made by people

Class 4	age ~9–10
Digital Foundations	Files & folders (feel), different apps do different jobs, home Wi-Fi is for family
Online Safety & Citizenship	Passwords are secrets, even from friends; people online may not be who they say; stop-close-tell when something feels wrong; game-chat safety and fairness
Computational Thinking	Precise instructions, simple patterns & repetition, spotting the wrong step
AI Understanding & Critical Use	Telling real from pretend on screens (edited photos, filters), smart toys/apps learn from what we do

Class 5	age ~10–11
Digital Foundations	Search basics (keywords), browsers vs apps, downloads can carry viruses
Online Safety & Citizenship	Strong vs weak passwords, the personal-information list (what never to share), recognising cyberbullying and supporting the target, asking before posting others' photos
Computational Thinking	Everyday if-then thinking (if it rains, take an umbrella), patterns that predict, breaking a big task into parts
AI Understanding & Critical Use	What AI is (learns from examples), where AI helps daily, always sense-checking an AI's answer

Class 6	age ~11–12
Digital Foundations	How the internet moves information (feel), usernames & accounts, why updates matter, safe downloads
Online Safety & Citizenship	Digital footprints (posts can last and travel), privacy settings, netiquette in groups, OTP secrecy & UPI-safety basics, viruses & antivirus (feel)
Computational Thinking	Decomposition & flowcharts, if-then logic in daily apps, spotting and fixing a broken step sequence
AI Understanding & Critical Use	AI learns from data/examples, recommendation systems shape what we see, chatbots are helpful but need checking on important answers

Class 7	age ~12–13
Digital Foundations	What “cloud” storage means (feel), public vs private networks (why café Wi-Fi needs care)
Online Safety & Citizenship	Recognising phishing & scam tricks (urgency, fake links), the bystander's power against cyberbullying and reporting tools, checking before forwarding a message, screen-time & wellbeing
Computational Thinking	Algorithms as recipes, comparing two ways to do a task, repeat-until loops, tracing steps to find a bug
AI Understanding & Critical Use	How machines learn from examples, why AI makes mistakes from wrong/limited examples, humans set AI's goals

Class 8	age ~13–14
Digital Foundations	App permissions and the data apps collect, two-step account verification (feel), backups
Online Safety & Citizenship	What to share with which app and why, an introduction to deepfakes and manipulated media, checking claims/images before believing, in-app purchase awareness
Computational Thinking	Variables (things that change) in everyday systems, combining if-logic with loops, why computers use codes
AI Understanding & Critical Use	Training-data quality decides AI quality, how one-sided examples make AI biased, AI-generated media exists and matters

Class 9	age ~14–15
Digital Foundations	How websites/apps make money (ads, data, subscriptions), the feel of encryption (the lock icon), digital identity across platforms
Online Safety & Citizenship	Cybercrime types & reporting channels (the cybercrime portal, the 1930 helpline), why smart people get fooled by social engineering, spotting bias/clickbait in feeds
Computational Thinking	Data representation and simple logic (search filters, sorting), predicting how an algorithm behaves, comparing which method is more efficient
AI Understanding & Critical Use	What AI can and can't do, who is responsible when AI makes a mistake, using AI tools for study responsibly (assist, cite, verify)

Class 10	age ~15–16
Digital Foundations	Awareness of personal-data rights (consent, access, deletion), security hygiene (passwords, 2FA, updates, backups), how platforms and algorithms hold attention
Online Safety & Citizenship	Full scam anatomy (investment/job/romance/impersonation patterns), digital-law basics and saving evidence, intentional digital wellbeing
Computational Thinking	Model thinking (inputs → rules → outputs), comparing two algorithms for a goal, the real limits of computation
AI Understanding & Critical Use	How generative AI produces text/images, why a confident AI answer isn't always correct, verifying AI output, academic honesty with AI, AI ethics (bias, privacy, deepfakes)

A Sample Question

Class 10 example: An AI chatbot gives Meera a confident answer with a made-up-looking book reference for her school project. What is the best practice here?

(a) Use it — confidence means correctness (b) **Verify the fact and the reference in independent sources before using it ✓** (c) Reject all AI help forever (d) Change her topic

This checks a genuinely new-generation skill — knowing that an AI tool can sound completely confident while being wrong, and building the habit of verifying before trusting.

What Makes iThinkers Different

- The only Olympiad testing Cyber & AI Literacy years ahead of any single school board's fixed syllabus.
- Safety is taught as confident judgement, never fear — every safety question ends in an action a child can actually take.
- A free practice portal for every registered child — no extra books to buy, instant feedback, works on any device.
- Deep, question-level reports for parents and teachers — beyond a rank, showing genuine strengths and gaps.
- Children are benchmarked, not ranked against each other — the focus stays on each child's own growth.

This guide is a parent-friendly summary. It does not change or add to what your child's school teaches — every topic here sits inside your child's regular curriculum.