



# Afghanistan Digital School

## International Online Curriculum for Afghan Girls

Grades 7–12

### Learn • Grow • Lead

A safe, fully online, future-ready secondary education pathway for Afghan girls restricted from physical schooling.

**Prepared for:** UNICEF, UN agencies, universities, donors, and partners

**Model:** Fully online digital school

**Target learners:** Afghan girls, Grades 7–12

**Languages:** English, Dari, Pashto

**Curriculum model:** Afghan context + GED-aligned + IGCSE-inspired + digital skills

**Brand promise:** Learn • Grow • Lead

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# Institutional Identity

**Afghanistan Digital School (ADS)** is an independent online education initiative created to protect learning continuity for Afghan girls in Grades 7–12. The ADS curriculum is designed to be academically credible, internationally understandable, donor-ready, and fully implementable through online learning.

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## Executive Summary

Afghanistan Digital School (ADS) provides a safe online secondary education pathway for Afghan girls who are restricted from attending physical school. The curriculum combines essential academic subjects, GED-aligned preparation, IGCSE-inspired subject depth, digital literacy, coding, AI awareness, life skills, safeguarding, and measurable learning evidence.

**Core promise:** ADS helps Afghan girls continue education, rebuild confidence, prepare for international pathways, and develop future-ready digital skills.

## Curriculum Foundation

ADS is designed as a complete online school curriculum, not only a technology program. It includes:

- English Language
- Mathematics
- Science
- Social Studies
- Dari / Pashto Communication
- Digital Literacy
- Computer Science and Coding
- AI and Future Technology
- Life Skills and Career Readiness
- Online Safety and Safeguarding

The curriculum is informed by international models:

- **GED:** Language Arts, Mathematical Reasoning, Science, Social Studies.
- **IGCSE:** English, Mathematics, Sciences, Humanities, ICT/Computer Science, Business/Economics.
- **Modern digital schools:** live learning, recorded lessons, LMS, portfolios, mentoring, analytics, safeguarding, and low-bandwidth access.

## ADS Graduate Profile

By Grade 12, an ADS graduate should be able to:

- communicate confidently in English and Dari/Pashto;
- solve academic and real-life mathematical problems;
- understand Biology, Chemistry, Physics, and scientific reasoning;
- understand history, geography, civics, economics, and global citizenship;
- use digital tools safely and productively;
- build a digital portfolio with writing, presentations, and projects;
- use AI responsibly for learning and productivity;
- prepare for GED-style or IGCSE-style future pathways;
- demonstrate leadership, resilience, and career readiness.

## Curriculum Structure

### Grade Bands

| Grade Band   | Purpose   |
|--------------|---|
| Grades 7–9   | Foundation stage: rebuild literacy, numeracy, science, social understanding, digital confidence, online safety, and study habits.           |
| Grades 10–12 | Senior stage: strengthen academic depth, GED readiness, IGCSE-style preparation, university access, digital portfolio, and career pathways. |



## Core Learning Areas

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| <b>Learning Area</b>     | <b>Purpose</b>  |
|--------------------------|---|
| English Language         | Academic communication, reading, writing, speaking, and international study readiness.    |
| Mathematics              | Numeracy, algebra, geometry, statistics, logic, and problem solving.                      |
| Science                  | Biology, Chemistry, Physics, environment, health science, and scientific thinking.        |
| Social Studies           | History, geography, civics, economics, culture, peace, and global citizenship.            |
| Dari / Pashto            | Identity, literacy, family communication, local culture, and clear expression.            |
| Digital Literacy         | Safe use of devices, internet, LMS, productivity tools, and online learning.              |
| Computer Science         | Computational thinking, web development, programming basics, and digital creation.        |
| AI and Future Technology | Responsible AI use, ethics, problem solving, automation, and future work skills.          |
| Life Skills              | Confidence, wellbeing, leadership, financial literacy, study skills, and career planning. |
| Safeguarding             | Digital safety, privacy, protection, respectful communication, and reporting pathways.    |

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## Grade 7 Curriculum

| Subject            | Core Content   | Online Implementation   |
|--------------------|--|---|
| English            | Basic grammar, vocabulary, reading short texts, paragraph writing, speaking. | Live speaking practice, recorded grammar lessons, weekly writing. |
| Mathematics        | Numbers, fractions, decimals, percentages, ratios, basic geometry, data.     | Online quizzes, worksheets, teacher feedback.                     |
| General Science    | Living things, body basics, matter, energy, earth, environment.              | Videos, home observations, simple safe experiments.               |
| Social Studies     | Afghanistan geography, world maps, community, basic history, citizenship.    | Map tasks, discussions, short presentations.                      |
| Dari / Pashto      | Reading, writing, storytelling, clear expression.                            | Voice recordings, reading tasks, writing assignments.             |
| Digital Literacy   | Device basics, typing, email, LMS use, online behaviour.                     | LMS practice, digital notebooks, safety quizzes.                  |
| Coding Foundations | Logic, sequence, patterns, block coding, simple web concepts.                | Browser coding tasks, mini projects.                              |
| Life Skills        | Study routine, confidence, time management, respect, teamwork.               | Weekly reflection, mentor check-in.                               |
| Online Safety      | Passwords, privacy, safe communication, reporting unsafe contact.            | Safety scenarios and guardian awareness notes.                    |

## Grade 8 Curriculum

| Subject        | Core Content  | Online Implementation  |
|----------------|---|--|
| English        | Reading comprehension, grammar accuracy, essay basics, speaking confidence. | Reading circles, pronunciation recordings, writing feedback. |
| Mathematics    | Integers, equations, percentages, geometry, graphs, probability basics.     | Interactive practice, weekly quizzes.                        |
| Science        | Cells, ecosystems, forces, electricity, chemical changes, climate.          | Simulations, safe science tasks, reports.                    |
| Social Studies | Regional geography, civilizations, government basics, culture.              | Timeline projects, map work, online debate.                  |

|                  |   |  |
|------------------|---|--|
| Dari / Pashto    | Formal writing, summaries, speeches, local literature.      | Audio reading, summaries, presentations.       |
| Digital Literacy | Documents, slides, spreadsheets, research, source checking. | Digital assignments and collaboration.         |
| Coding and Web   | HTML basics, CSS basics, logic, simple page creation.       | Personal learning webpage.                     |
| AI Awareness     | What AI is, safe use, limits, academic honesty.             | Ethics reflection and guided comparison tasks. |
| Life Skills      | Goal setting, resilience, communication, teamwork.          | Mentor journal and group project.              |

## Grade 9 Curriculum

| Subject            | Core Content  | Online Implementation                                |
|--------------------|---|--|
| English            | Academic reading, structured essays, argument writing, presentations. | Writing workshops, reading tests, oral presentation. |
| Mathematics        | Algebra, linear equations, geometry, statistics, graphs.              | Weekly problem sets, whiteboard lessons.             |
| Integrated Science | Biology systems, chemistry foundations, physics foundations.          | Virtual labs, quizzes, experiment planning.          |
| Social Studies     | Modern history, geography, civics, economics, human rights.           | Case studies, data analysis, civic discussion.       |
| Dari / Pashto      | Academic writing, public speaking, translation basics.                | Recorded presentations and essays.                   |
| Digital Literacy   | Online research, productivity, cyber safety, media literacy.          | Source evaluation and portfolio building.            |
| Computer Science   | Algorithms, HTML/CSS, JavaScript intro, data basics.                  | Coding exercises and website project.                |
| AI and Future Tech | AI for learning, prompts, bias, privacy, ethics.                      | Responsible AI tasks.                                |
| Life Skills        | Leadership, study planning, health awareness, pathway choice.         | Individual learning plan.                            |



## Senior Pathways: Grades 10–12

ADS senior school includes shared core learning plus three flexible pathways: GED Preparation, IGCSE-style Academic Preparation, and Digital Skills Plus.

### Pathway A: GED Preparation

- Reasoning Through Language Arts
- Mathematical Reasoning
- Science
- Social Studies
- Digital Portfolio and University Application Support

### Pathway B: IGCSE-Style Academic Preparation

- English
- Mathematics
- Biology
- Chemistry
- Physics
- Computer Science or ICT
- Economics or Business Studies

### Pathway C: Digital Skills Plus

- Web Development
- Digital Design
- Productivity Tools
- AI for Learning and Work
- Online Freelancing Basics
- Career Communication

## Grade 10 Curriculum

| Subject                 | Core Content  | Online Implementation                             |
|-------------------------|---|---|
| English Academic Skills | Essay writing, grammar mastery, reading analysis, presentations.    | Writing labs, reading quizzes, speech recordings. |
| Mathematics             | Algebra, functions, geometry, statistics, GED/IGCSE-style problems. | Practice tests and solution videos.               |
| Biology                 | Cells, human biology, genetics basics, ecosystems.                  | Virtual labs, diagrams, health project.           |
| Chemistry               | Atoms, elements, compounds, reactions, acids and bases.             | Simulations and safe demonstrations.              |
| Physics                 | Motion, forces, energy, electricity, waves.                         | Virtual experiments and problem sessions.         |
| Social Studies          | World history, geography, civics, economics.                        | Document analysis, map work, forums.              |
| Computer Science / ICT  | Algorithms, HTML/CSS/JS, spreadsheets, databases.                   | Coding labs and project submission.               |
| AI and Ethics           | AI literacy, privacy, bias, fact-checking, integrity.               | Case studies and reflection.                      |
| Dari / Pashto           | Formal communication, translation, cultural literacy.               | Essays and oral presentations.                    |
| Life Skills             | Study planning, financial literacy, leadership, wellbeing.          | Mentor meetings and development plan.             |

## Grade 11 Curriculum

| Subject                | Core Content  | Online Implementation                        |
|------------------------|---|--|
| English Language Arts  | Argument essay, evidence, inference, editing, vocabulary.         | GED-style reading and writing practice.      |
| Mathematics            | Algebra II basics, geometry, probability, statistics, functions.  | Timed practice and progress analytics.       |
| Science                | Biology systems, chemistry applications, physics problem solving. | Virtual labs, graph interpretation, reports. |
| Social Studies         | Civics, economics, history, geography, source evaluation.         | Source analysis and presentations.           |
| Computer Science / ICT | JavaScript, data, web apps, cybersecurity basics.                 | Interactive website or digital tool.         |
| Business / Economics   | Entrepreneurship, markets, budgeting, finance.                    | Online business plan project.                |
| AI and Future Work     | AI productivity, automation, ethics, future careers.              | Responsible AI portfolio task.               |

|                  |  |  |
|------------------|--|--|
| Dari / Pashto    | Research writing, speeches, community communication. | Recorded presentation and report.          |
| Career Readiness | CV, scholarship profile, email writing, interviews.  | Mock interviews and application documents. |

## Grade 12 Curriculum

| Subject                         | Core Content  | Online Implementation                        |
|---------------------------------|---|--|
| English for University          | Academic essays, SOP, presentations, advanced reading.          | Writing clinic and application writing.      |
| Mathematics for Exams           | GED/IGCSE review, algebra, data, geometry, applied problems.    | Mock tests and remediation.                  |
| Science for Exams               | Biology, Chemistry, Physics, scientific reasoning.              | Exam practice and lab reports.               |
| Social Studies for Exams        | History, civics, economics, geography, document analysis.       | Source-based practice and mock exams.        |
| Digital Portfolio               | Final website, coding project, digital CV, online portfolio.    | Capstone project and portfolio defense.      |
| AI and Research Skills          | Ethical AI research, source checking, productivity.             | Research project with AI log.                |
| Leadership Project              | Girls' education advocacy, community service, mentoring.        | Online campaign or community project.        |
| Career and University Readiness | Scholarships, applications, interviews, CV, financial planning. | Application package and mentor review.       |
| Safeguarding and Wellbeing      | Online protection, wellbeing, reporting, support systems.       | Confidential check-ins and safety education. |

## Online Implementation Model

| Component            | Implementation   |
|----------------------|--|
| Live Classes         | Teacher-led online lessons with interaction and guided practice.   |
| Recorded Lessons     | Short videos for weak internet or shared devices.                  |
| Self-Paced Tasks     | Weekly assignments, readings, quizzes, and exercises.              |
| Mentor Support       | Attendance follow-up, motivation, wellbeing, and academic support. |
| Digital Portfolio    | Writing, projects, presentations, coding work, and certificates.   |
| Low-Bandwidth Access | PDFs, audio lessons, compressed videos, and mobile-first access.   |
| Safeguarding         | Safe accounts, privacy, reporting system, and protection rules.    |

## Suggested Weekly Time Allocation

| Learning Area                       | Suggested Weekly Hours |
|-------------------------------------|------------------------|
| English Language                    | 4–5 hours              |
| Mathematics                         | 4–5 hours              |
| Science                             | 3–4 hours              |
| Social Studies                      | 2–3 hours              |
| Dari / Pashto                       | 2 hours                |
| Digital Literacy / Computer Science | 3–4 hours              |
| AI / Future Technology              | 1 hour                 |
| Life Skills / Career Readiness      | 1–2 hours              |
| Mentoring / Portfolio / Assessment  | 1 hour                 |

## Assessment and Reporting

| Assessment Type  | Purpose   |
|------------------|---|
| Placement Test   | Identify grade level, English, math, digital access, and learning gaps.                 |
| Weekly Quizzes   | Measure regular understanding and support early intervention.                           |
| Assignments      | Build writing, problem solving, research, and independent learning.                     |
| Projects         | Demonstrate deeper learning through science, social studies, coding, and digital tasks. |
| Portfolio        | Provide evidence for families, donors, universities, and partners.                      |
| Mock Exams       | Prepare students for GED-style or IGCSE-style assessment.                               |
| Progress Reports | Share attendance, achievement, teacher feedback, and next steps.                        |

## Safeguarding and Online Safety

- secure student accounts and private learning spaces;
- teacher code of conduct;
- safe communication rules;
- guardian awareness where appropriate;
- no public exposure of student identity without consent;
- reporting pathway for concerns;
- digital privacy and cyber safety lessons;
- trauma-informed and respectful teaching practice.

## Why This Curriculum Is Suitable for Afghan Girls

- It supports girls who lost access to physical schooling.
- It is fully online and low-bandwidth ready.
- It includes local language and identity with international readiness.
- It includes English, Math, Science, and Social Studies for credibility.
- It adds technology, coding, AI, and portfolio-based learning.
- It creates measurable evidence for donors, universities, and partners.

## References

- GED Testing Service. Official GED test subjects: Language Arts, Mathematical Reasoning, Science, and Social Studies. <https://www.ged.com/>
- Cambridge International Education. Cambridge IGCSE subject areas. <https://www.cambridgeinternational.org/>
- UNICEF. Education, child protection, and girls' education principles. <https://www.unicef.org/>
- UNESCO. Digital learning, inclusion, and quality education principles. <https://www.unesco.org/>

## Closing Statement

**Afghanistan Digital School**

**Learn • Grow • Lead**

A safe, credible, international, and future-ready online curriculum for Afghan girls.