

Impactful Core Curriculum Design Workshop

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What Is an Impactful Core Curriculum?

The Core Curriculum should strike a balance between

- Foundational knowledge,
- Critical skills,
- Real-world relevance,
- Fostering adaptability in a rapidly changing world.

1. Foundational Knowledge & Critical Thinking



Courses:

Great Ideas Across Disciplines

- Philosophy, Science, Literature, History
- Examines key texts
(e.g., Plato, Confucius, Laozi, Darwin, Wolf, and Albert Camus)
to explore how ideas shape societies

Foundational Knowledge & Critical Thinking

Continued



Scientific & Quantitative Literacy

- Data Analysis, statistics, and scientific reasoning applied to global challenges (e.g., climate modeling, AI ethics)

Logic & Rhetoric

- Teaches structured argumentation, media literacy, and the detection of misinformation

2. Global and Cultural Literacy



Courses:

Global Challenges

- E.g., climate Change, inequality, migration, international trade, political issues, sustainability of resources
- Combines economics, political science, and ethics to analyze systemic issues

Global and Cultural Literacy

Continued



Intercultural Communication

- Language study + immersive projects
(e.g., virtual exchanges with international peers)

Indigenous & Marginalized Perspective

- Explores non-Western knowledge systems
(e.g., Indigenous sustainability practices)

3. Practical Skills for the Future



Courses:

Design Thinking & Problem-Solving

- Hands-on projects tackling local/global problems (e.g., designing low-cost water filters, low-cost housing)



Practical Skills for the Future

Continued



Digital Fluency

- Coding basics, AI Tools, and digital ethics (e.g., bias in algorithms)

Financial & Civic Literacy

- Personal finance, policy advocacy, and understanding democratic institutions
- Engaging with the local community and charitable organizations



4. Experiential & Integrative Learning



Requirements:

Capstone Project

- A semester-long project merging disciplines (e.g., an engineering student and a sociology student collaborating on urban mobility solutions)

Experiential & Integrative Learning

Continued



Work-integrated Learning

- Mandatory internships, apprenticeships, or community partnerships (e.g., working with NGOs, startups, or labs)

Reflective Portfolio

- Student document growth across courses, linking theory to practice

5. Wellness & Resilience



Courses/Modules:

Mindfulness & Mental Health

- Evidence-based stress management techniques

Ethics of Technology & Humanity

- Discusses AI, bioethics, and the future of work

Physical Literacy

- Nutrition, movement science, and lifelong fitness strategies