



مدرسة الوحدة الخاصة  
AL WAHDA PRIVATE SCHOOL  
An American Curriculum School

## **AI, Emerging Technologies & Innovation Policy**

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# AI, Emerging Technologies & Innovation Policy

## 1. Purpose

This policy outlines 'AWPS approach to the ethical and effective integration of Artificial Intelligence (AI), Augmented and Virtual Reality (AR/VR), Internet of Things (IoT), and other emerging technologies into teaching and learning (T&L). It aims to prepare students for the digital future while ensuring responsible innovation, digital safety, and equity.

## 2. Guiding Principles

- **Equity & Inclusion:** All students must have equitable access to innovative technologies.
- **Ethical Use:** Emphasis on transparency, fairness, and data privacy.
- **Digital Literacy:** Preparing students with the skills needed to use and evaluate emerging technologies responsibly.
- **Educator Empowerment:** Providing ongoing professional development and support.

## 3. Use of AI in Education

### 3.1 Applications

AI tools may be used to:

- Personalize learning experiences.
- Provide real-time feedback and analytics.
- Support administrative and instructional efficiency.
- Enhance student engagement and learning outcomes.

### 3.2 Competency Development

Students will develop:

- **AI literacy**, including how AI systems work, their benefits, and their limitations.
- **Critical thinking**, to evaluate AI-generated content.
- **Ethical reasoning**, to assess the societal impacts of AI.

Educators will be trained to:

- Integrate AI tools effectively and ethically.
- Monitor for algorithmic bias and ensure inclusivity.
- Maintain human oversight in instruction and assessment.

### **3.3 Ethics Guidelines**

- AI tools must not replace core teacher responsibilities.
- Student data used by AI platforms must be protected under FERPA and COPPA.
- AI systems must be explainable and transparent to users.
- Decisions affecting student outcomes must involve human review.

## **4. Use of AR/VR and IoT in Teaching and Learning**

### **4.1 AR/VR Integration**

AR/VR will be used to:

- Enhance experiential learning (e.g., virtual science labs, historical re-creations).
- Support students with diverse learning needs through immersive instruction.
- Encourage exploration in STEM, arts, and social sciences.

#### **Safety & Ethics Considerations:**

- Screen time will be monitored to avoid health concerns.
- Content will be developmentally appropriate.
- Accessibility features must be built into all applications.

### **4.2 IoT Implementation**

IoT devices may be used for:

- Interactive learning environments (e.g., smart boards, sensors).

- School operations (e.g., smart thermostats, attendance systems).
- STEM labs (e.g., environmental monitoring projects).

#### **Security Protocols:**

- All devices must be password-protected and encrypted.
- Student data collected via IoT will comply with school privacy policies.
- Regular audits will assess cybersecurity risks.

### **5. Responsible Innovation**

The school will foster a culture of responsible innovation by:

- Encouraging student-led exploration of ethical tech design.
- Piloting new technologies on a small scale before full implementation.
- Engaging with stakeholders (students, families, teachers, tech partners) in decision-making.
- Establishing a **Technology & Ethics Advisory Committee** to review and evaluate new tools.

### **6. Oversight & Evaluation**

- **Annual Review:** This policy will be reviewed annually to adapt to technological and pedagogical changes.
- **Professional Development:** Ongoing training will be provided for staff.
- **Feedback Mechanism:** Channels will be created for community input and reporting concerns.

### **7. Conclusion**

The future of learning lies at the intersection of innovation and responsibility. This policy ensures that the integration of AI, AR/VR, IoT, and other technologies at AWPS enhances learning outcomes while prioritizing ethics, privacy, and equity.

**Signed,**  
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Principal,  
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