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**INFORMATION AND COMMUNICATION TECHNOLOGY ASSOCIATION OF ZIMBABWE (ICTAZ)**

Promoting Information and Communication Technologies as tools and catalysts for Sustainable Development

# Digital Literacy Workshop for STEM Educators in Zimbabwe

## Workshop Training Schedule

**5 – 8 May, 2026**
**Mai Mugabe Group of Schools, Mazowe Zimbabwe**

## Workshop Partners

Ministry of Information and Communication Technology Association of Zimbabwe

Chinhoyi University of Technology
Academy of Teaching and Learning

**UNIVERSITY OF ZIMBABWE**

Faculty of Computer Engineering Informatics and Communications

**TRAINING PROGRAM SCHEDULE**
## ADVANCED DIGITAL LITERACY WORKSHOP FOR STEM EDUCATORS
5 May 2026 | Amai Mugabe Group of Schools, Mazowe

**Day 1 : Foundations of Digital Literacy in STEM Education**

| Time | Session | Content |
|---|---|---|
| 08:30 – 09:00 | Registration and Networking | Participant registration and informal networking. |
| 09:00 – 09:30 | Opening Ceremony | Welcome remarks from organisers and partner institutions. |
| 09:30 – 10:30 | **Keynote Address: Digital Transformation in Education** | Understanding the role of digital literacy in advancing Education 5.0 and preparing students for Industry 4.0. |
| 10:30 – 11:00 | Tea Break | Refreshments and networking. |
| 11:00 – 12:30 | **Session 1**: Foundations of Digital Literacy | Core digital competencies for educators and the role of digital literacy in modern education. |
| 12:30 – 13:30 | Lunch Break | Lunch and informal discussions. |
| 13:30 – 15:00 | **Session 2**: Digital Pedagogy for STEM Education | Integrating technology into STEM teaching and learning environments. |
| 15:00 – 15:30 | Tea Break | Refreshments. |
| 15:30 – 16:30 | Hands-on Lab: Digital Tools for Teaching | Practical training on digital tools such as online collaboration platforms, digital content creation tools, and educational software. |
| 16:30 – 17:00 | Reflection and Q&A | Discussion and reflections on lessons learned. |

**Day 1** focuses on building a strong foundation in digital literacy for STEM educators. Participants are introduced to the role of digital technologies in transforming education and advancing Education 5.0. The sessions cover core digital competencies and digital pedagogy, followed by hands-on training in practical digital tools for teaching, collaboration, and content creation. The day equips educators with the basic skills needed to begin integrating technology into their teaching practices.

## TRAINING PROGRAM SCHEDULE
## ADVANCED DIGITAL LITERACY WORKSHOP FOR STEM EDUCATORS
6 May 2026 | Amai Mugabe Group of Schools, Mazowe

**Day 2 : Emerging Technologies and Digital Teaching Tools**

| Time | Session | Content |
|---|---|---|
| 09:00 – 09:15 | Recap of Day 1 | Summary and reflections from participants. |
| 09:15 – 10:30 | **Session 3**: Artificial Intelligence in Education | Introduction to AI tools and their applications in STEM teaching and research. |
| 10:30 – 11:00 | Tea Break | Refreshments. |
| 11:00 – 12:30 | **Session 4**: Learning Management Systems | Using digital platforms for online learning, assignments, and assessment. |
| 12:30 – 13:30 | Lunch Break | Lunch. |
| 13:30 – 15:00 | **Session 5**: Data Literacy for Educators | Using digital tools for research, data analysis, and evidence-based teaching. |
| 15:00 – 15:30 | Tea Break | Refreshments. |
| 15:30 – 16:45 | Hands-on Lab: Digital Content Creation | Creating multimedia educational materials including videos, simulations, and interactive resources. |
| 16:45 – 17:00 | Discussion | Feedback and participant reflections. |

**Day 2** emphasizes the use of emerging technologies to enhance teaching and learning. Participants explore the application of Artificial Intelligence (AI) in education, as well as the use of Learning Management Systems (LMS) for delivering and managing digital learning. The sessions also focus on data literacy and digital content creation, with practical activities that enable educators to develop interactive and multimedia teaching materials

**TRAINING PROGRAM SCHEDULE**
## ADVANCED DIGITAL LITERACY WORKSHOP FOR STEM EDUCATORS
7 May 2026 | Amai Mugabe Group of Schools, Mazowe

**Day 3 : Digital Citizenship and Innovation in Education**

| Time | Session | Content |
|---|---|---|
| 09:00 – 09:15 | Recap of Day 2 | Participant reflections and discussion. |
| 09:15 – 10:30 | **Session 6**: Digital Citizenship and Ethics | Responsible use of technology, cybersecurity awareness, and online safety in education. |
| 10:30 – 11:00 | Tea Break | Refreshments. |
| 11:00 – 12:30 | **Session 7**: Innovative Teaching for Education 5.0 | Using digital tools to promote innovation, creativity, and problem-solving in STEM education. |
| 12:30 – 13:30 | Lunch Break | Lunch. |
| 13:30 – 15:00 | Group Activity: Designing a Digital STEM Lesson | Participants work in groups to design a technology-integrated lesson plan. |
| 15:00 – 15:30 | Tea Break | Refreshments. |
| 15:30 – 16:30 | Presentation of Group Projects | Participants present their digital lesson plans and receive feedback. |
| 16:30 – 17:00 | Closing Ceremony | Certificates, closing remarks, and networking. |
| 09:00 – 09:15 | Recap of Day 2 | Participant reflections and discussion. |

**Day 3** focuses on responsible technology use and the practical application of digital skills in STEM education. Participants learn about digital citizenship, ethics, and cybersecurity, ensuring safe and responsible engagement with technology. The day culminates in group activities where participants design and present technology-integrated STEM lessons, demonstrating their learning and fostering collaboration, followed by the closing ceremony.