Welcome to Digital Literacy

This course is meticulously designed to align with state standards and targeted learning objectives, ensuring comprehensive coverage of essential knowledge and skills required for student success.

Course Description:
Discover the skills needed to thrive in today's digital world with **Digital Literacy, Semester 1**, a self-paced, foundational course designed for young beginners. This course introduces you to essential computer concepts, including basic hardware and software, computer systems, and internet safety. Dive into topics like programming, algorithms, cybersecurity, and cryptography, while also gaining hands-on experience with Google Apps and troubleshooting common computer issues. By the end of this course, you'll have the confidence and skills to navigate, create, and problem-solve in the digital landscape.

Syllabus
Unit 1: Introduction to Digital Literacy
- Understanding computer hardware and software basics.
- Overview of operating systems and user interfaces.
- Safe online habits and digital citizenship.

Unit 2: Computer Systems and the Internet
- Components of a computer system and how they work together.
- How the internet functions: networks, servers, and data transfer.
- Cloud computing and online collaboration tools.

Unit 3: Introduction to Programming
- Basics of programming languages and syntax.
- Understanding algorithms and how they solve problems.
- Creating simple programs and exploring coding platforms.

Unit 4: Cybersecurity and Cryptography
- Common online security risks and how to avoid them.
- Basics of encryption and secure communication.
- Protecting personal information in the digital age.

Unit 5: Practical Skills for Everyday Use
- Using Google Apps for productivity (Docs, Sheets, Slides).
- Troubleshooting basic computer problems.
- Combining learned skills to complete a digital project.

Learning Outcomes
By completing this course, students will:
1. Understand basic computer systems and their functions.
2. Gain familiarity with safe and responsible internet usage.
3. Learn foundational programming concepts and create simple code.
4. Develop knowledge of cybersecurity and cryptographic principles.
5. Master practical digital tools for productivity and troubleshooting.

Conclusion
Digital Literacy, Semester 1 provides a comprehensive introduction to technology, preparing students for a world where digital skills are essential. With a self-paced approach, students can learn at their own speed while building a strong foundation in computer systems, internet safety, programming, and cybersecurity. This course offers the perfect starting point for those looking to become confident and capable digital citizens.