

Revised Standards and Benchmarks for CAS – 26-4-11

1. Understanding Systems and Concepts

- Students Demonstrate a Sound Understanding of technology concepts, systems and operations.
- Understand and use technology systems (Hardware)
- Troubleshoot systems and applications
- Apply existing knowledge to generate new ideas, products, or processes.
- Service, action and creativity. Being a team player and supporting other users.

2. Using IT tools to enhance learning

- To be creative and Innovative
- Communicate effectively using appropriate skills demonstrating an awareness of ergonomics
- To research and report and manipulate information
- Select and use applications effectively and productively
- Create original works as a means of personal or group expression.
- Use models and simulations to explore complex systems and issues.
- Interact, collaborate, and publish with peers, experts, or others employing a variety of digital environments and media
- Contribute to project teams to produce original works or solve problems.
- Plan strategies to guide inquiry.
- Evaluate and select information sources and digital tools based on the appropriateness to specific tasks

3. Critical Thinking, Problem Solving and Decision Making

- Identify and define authentic problems and significant questions for investigation.
- Plan and manage activities to develop a solution or complete a project.
- Collect monitor and analyze data to identify solutions and/or make informed decisions.
- Use multiple processes and diverse perspectives to explore alternative solutions.
- Exhibits a positive attitude towards using technology that supports collaboration learning and productivity.
- Transfers current knowledge to learning of new technologies.
- Identify trends and forecast possibilities.

4. Digital Citizenship and the Cloud

- Advocating safe legal and responsible use of information and technology.
- An understanding of cloud concepts and systems
- Demonstrate personal responsibility and an awareness of digital footprints
- Communicate information and ideas effectively to multiple audiences using a variety of media and formats.
- Develop cultural understanding and global awareness by engaging with learners of other cultures.
- Understands and demonstrates an understanding of copyright and media ownership.