

JACOB MATRICULATION SCHOOL, MANAVALANAGAR

DEPARTMENT OF COMPUTER SCIENCE

Report for the month of June and July

BLOOMING BABBAGES DAY

Demystifying Connections and Memory: A Thriving Journey on Blooming Babbages Day!

Introduction:

Every Thursday at JMS, Manavalanagar School is a celebration of innovation and discovery! Our enthusiastic grade 5, 6, 7 and 8 students embark on a captivating exploration of technology on Blooming Babbages Day. This report highlights two key areas explored on June 20th and July 4th: computer networks, the invisible highways that connect devices, and computer memory, the essential storage space that fuels these connections.

JUNE 20, 2024

Learning from Each Other:

Blooming Babbages Day fosters a culture of collaborative learning. This Blooming Babbages Day witnessed a remarkable display of perseverance and learning – a presentation by our exceptional grade 6 students, many of whom have unique learning styles. They demystified the captivating world of computer memory for their peers, proving that dedication and creativity can unlock brilliance in anyone. This not only allowed them to solidify their understanding but also instilled confidence in their presentation skills.

Unveiling the Treasure Trove:

The presentation embarked on a journey to unlock the secrets of computer memory, the hidden vault where information resides within our digital companions. The grade 6 experts navigated their audience through the two key types of memory:

The Speedy Assistant: Primary Memory (RAM) and

The Secondary Memory (Storage Devices): Secondary memory acts as this long-term storage space, using devices like hard drives, USB drives, and DVDs

Interactive Exploration:

The grade 6 presenters likely incorporated engaging activities to solidify their classmates' understanding. Perhaps they created charts or diagrams to visually represent the flow of data within memory. This interactive approach transformed passive listening into active participation, solidifying the concepts for all the students at JMS.

Putting Knowledge to the Test

To test their newfound knowledge, the students engaged in a lively session of computer-related general knowledge questions by Yuvaneshwaran T.B of Grade 6. Their enthusiastic participation and insightful answers showcased their successful grasp of the explored concepts.

List of Presenters in the School Morning Assembly from Class 6 B

R.Mansi,

V.Vaishnavi and T. Ilakiya



JULY 4, 2024

Unveiling the "C" in "Computer" and Bridging the Gaps: Exploring Network Types

The adventure began with a fundamental question: what does "COMPUTER" even stand for? We embarked on a discovery mission, learning that it stands for Common Operating Machine Purposely Used for Technological and Educational Research. Fascinated, the students grasped the core purpose of these incredible machines.

Next, we ventured into the realm of computer networks, the invisible highways that allow computers to communicate. We explored the fascinating world of different network types:

LAN (Local Area Network)

WAN (Wide Area Network)

MAN (Metropolitan Area Network)

HAN (Home Area Network)

For our grade 5, 6, 7 and 8 students, the learning experience transcended theory. They participated in a unique prayer activity that involved charts and diagrams, possibly representing computer networks.

The following students participated in these activities

Grade 5

1. Yoshva .S.S
2. Ashwath
3. Lakshana
4. Mohammed Naufal

Grade 7

1. Sunil
2. Charan Kumar

Grade 8

1. Gokul S
2. Ramcharan Raja
3. Angelin Sweety



This exploration of computer networks and memory on Blooming Babbages Day has sparked a flame of curiosity in our students. They are now equipped with the knowledge to understand how information flows and is stored, making them more informed and empowered digital citizens.

Fostering Digital Literacy: Ongoing Initiatives by the JMS Computer Department

The JMS Computer Department is dedicated to fostering digital literacy across all grade levels. Beyond the exciting, Blooming Babbages Day, the department implements ongoing initiatives to equip students with the foundational skills and knowledge necessary to thrive in today's digital world.

1. Sparking Curiosity in Early Learners (Classes 1 & 2):

The department recognizes the importance of introducing young minds to technology in a safe and engaging way. For Classes 1 and 2, dedicated sessions are conducted within the computer lab. These sessions focus on the building blocks of computer interaction, familiarizing students with essential input and output devices

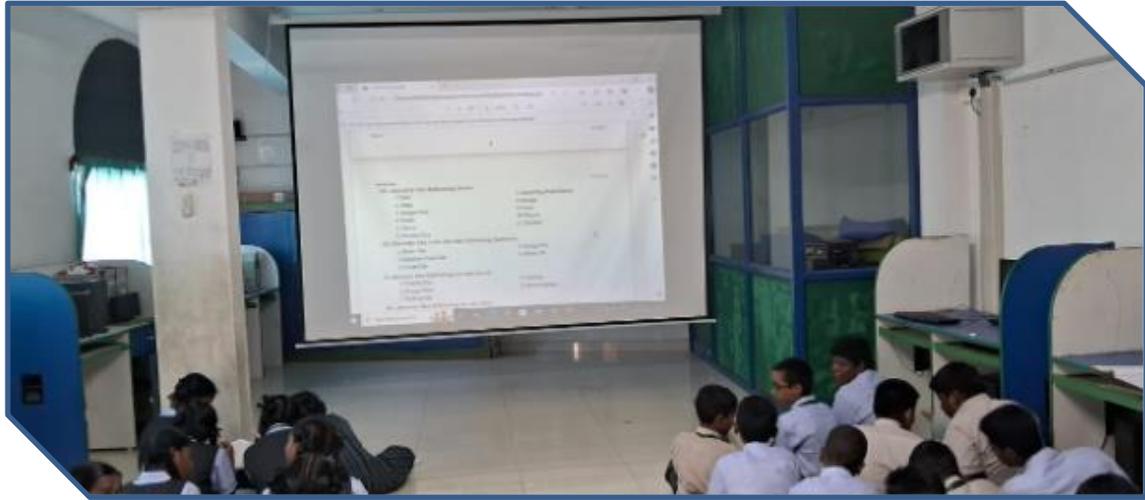


2. Unveiling Creativity with Tux Paint (Class 4):

Class 4 students embark on a journey of artistic expression with Tux Paint. This user-friendly software transforms the computer lab into a digital art studio. Guided by Tux, the playful penguin mascot, students explore a variety of tools and colors, allowing them to unleash their creativity through drawing and painting activities. Learning basic computer operations goes hand-in-hand with artistic exploration, fostering a positive association with technology and building foundational digital skills.

3. Empowering High Schoolers with Advanced Tools (MS Excel & MS Access):

For high school students, the computer department curriculum delves deeper into practical applications. Students are introduced to MS Excel, a versatile spreadsheet program. Through dedicated computer lab sessions, they gain proficiency in data organization, calculation techniques, and insightful visualization tools. Additionally, they explore MS Access, a database management system that equips them with the knowledge to efficiently store and retrieve information. These valuable skills empower them to navigate the complexities of data analysis and management, preparing them for future academic and professional pursuits.



Conclusion

The JMS Computer Department's ongoing initiatives complement the excitement of Blooming Babbages Day, ensuring that students of all ages receive a well-rounded foundation in digital literacy. From the early introduction to input/output devices to advanced software exploration, these initiatives empower students to become confident and responsible digital citizens.