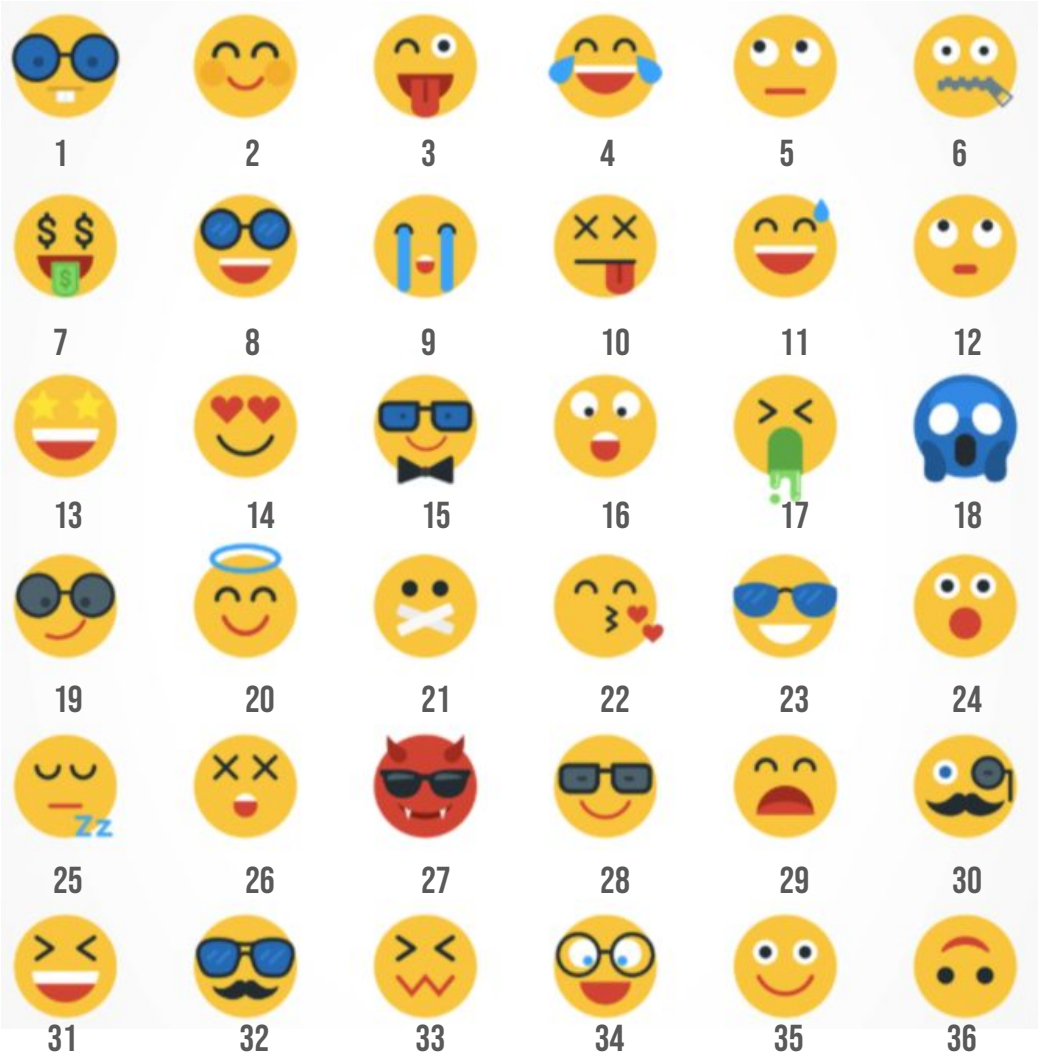
LEARNING AND TECHNOLOGY

SINGAPORE AMERICAN SCHOOL

2024-25

SINGAPORE AMERICAN SCHOOL

Which emoji(s) best describe your personal relationship with technology?



COMMUNITY NORMS

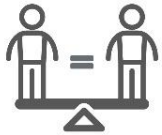
As an SAS community member I agree to hold myself to a high standard of personal conduct in my interactions and communications with students, faculty, and parents. This means I will adhere to the SAS Statement of Community by:



CONTRIBUTING PRODUCTIVELY AND POSITIVELY



ASSUMING POSITIVE INTENT



REFRAINING FROM DISCRIMINATION

(religious, ethnic, racial, sexual, or gender)



SHARING ACCURATE INFORMATION



GOING TO THE SOURCE



CENTERING THE STUDENT EXPERIENCE

Campus leaders center their conversations/actions on positively impacting the student experience

Questions to consider before posting:

1) Is it the truth?
2) Is it fair to all concerned?
3) Will it build better community and friendships?
4) Is it beneficial to all?

SINGAPORE AMERICAN SCHOOL

WHAT THIS SESSION IS AND IS NOT

It is:

- An **opportunity to share our approach** to technology in education and the questions that we are asking
- A chance for **you to share your own wonderings, worries, and questions** around technology and education to help us shape our work

It is not:

- A deep dive into AI. Although important, today is focusing on 'technology' broadly
  - There will be another parent coffee on AI before the end of the year.
- Making recommendations or decisions about future technology use at SAS

SAS2027


Joy & Purpose
A WORLD LEADER IN EDUCATION
CULTIVATING EXCEPTIONAL THINKERS
PREPARED FOR THE FUTURE
CRITICAL THINKING
CONTENT KNOWLEDGE
CULTURAL COMPETENCE
COMMUNICATION
CREATIVITY
CHARACTER
COLLABORATION
LEARNING ASPIRATIONS
EXCELLENCE
EXTRAORDINARY CARE
POSSIBILITIES
STRATEGIC FOCUS
COMPASSION
FAIRNESS
HONESTY
RESPECT
RESPONSIBILITY
CORE VALUES

Joy & Purpose





Cultivate Exceptional Thinkers Prepared for the Future

&

Focus on Social-Emotional Wellbeing

TECHNOLOGY AND LEARNING



WHAT IS EDUCATIONAL TECHNOLOGY?

Educational technology is the **reasoned and ethical use of tools, processes, and resources**—both digital and physical—**to enhance learning, improve performance, and support instruction**. It involves the design, development, implementation, and evaluation of educational experiences in a way that is both effective and efficient for learners, educators, and instructional designers.

Huang, R., Spector, J. M., & Yang, J. (2019). *Educational Technology: A Primer for the 21st Century.*

OUR PHILOSOPHY ON TECHNOLOGY IN LEARNING

Balancing Opportunity and Responsibility

- At SAS, we believe in the **transformative power of technology** to personalise learning, deepen engagement, and prepare students for a rapidly changing world.
- At the same time, we are deeply aware of the **need to foster healthy, balanced, and intentional use**, especially in a school context.
- Our approach is not pro- or anti-technology, but **pro-purposeful use**, anchored in pedagogy, wellbeing, and long-term learning outcomes.



GUIDING PRINCIPLES

Learning First

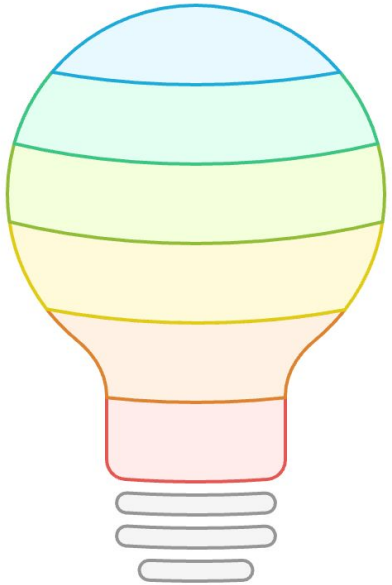
Emphasizes technology's role in enhancing deep thinking and creativity

Digital Literacy

Equips students with skills for critical digital navigation

Wellbeing

Prioritizes healthy habits and social-emotional development



Developmentally Appropriate

Tailors technology use to age-appropriate growth stages

Tech-Free Learning

Nurtures skills without technology

Community Partnership

Fosters alignment between school and home in digital education

WHAT WE ARE CURRENTLY DOING

- Technology is not used for the sake of it. It is **integrated where it meaningfully supports student learning, creativity, and access**.
- Device use is **developmentally appropriate**, with different expectations in Elementary, Middle, and High School.
- We **emphasise digital citizenship** through advisory and classroom discussions, helping students develop agency and awareness.
- We **regularly review and audit tools** to ensure they are aligned with our curriculum, data protection standards, and student wellbeing.
    - Including regular reviews on what sites and software are accessible on the school network
- Educators are **supported through professional learning** to use technology responsibly and meaningfully.

WHAT DOES THIS LOOK LIKE IN DIVISIONS?

ES	MS	HS
Devices: • 1:1 school-issued iPads (with attachable keyboards) • Class sets of Chromebooks available as needed *Learning Focus:* • Foundational digital literacy through integrated classroom use • Early exposure to creation, coding, and responsible tech use *Additional Notes:* • Teacher iPads/laptops used for modelling and projection • Apple Classroom used by educators to guide and support student iPad use	*Devices:* • 1:1 school-issued MacBook Air • Class sets of iPads available for specific activities *Learning Focus:* • Developing core digital skills to support organisation, collaboration, and increasingly independent learning • Embedded digital citizenship through Advisory SEL programme *Additional Notes:* • G6 Laptop Boot Camp (Aug–Oct) • G6 'Month of Typing' (Nov & Jan) • G7–8 Reboot/Refresh Sessions (Aug) • New Student Laptop Boot Camps (Aug & Jan) • Apple Classroom used to support in-lesson Apple device use	*Devices:* • BYOD (student-owned laptops) *Learning Focus:* • Advanced use of digital tools to support research, collaboration, and subject-specific learning (e.g. databases, media creation tools, data analysis platforms, and discipline-specific applications) • Continued development of digital literacy and citizenship skills *Additional Notes:* • Student Bootcamp to introduce systems and expectations • Annual Digital Citizenship Agreement

Whole School

Systems & Safeguarding:

- Network-level content filtering matrix
- Cloud-based storage and management platforms (e.g. Google Drive, Apple School Manager)

SINGAPORE AMERICAN SCHOOL

EDUCATIONAL TECHNOLOGY

create a tradition of innovation

TEACHER TOOLKIT

- iPad issued based on role/need



LEARNING SPACES TOOLKIT



CORE GENERATIVE AI

Google Labs
MAGIC SCHOOL
Gemini
Notebook LM
Canva
Canva
Padlet

CORE PRODUCTIVITY TOOLKIT



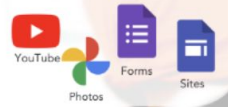


Google Meet
VIDEO CONFERENCING TOOL
Google Workspace

LEARNING MANAGEMENT SYSTEMS



...ADDITIONAL TOOLS



OTHER DIGITAL RESOURCES



SCHOOL INFORMATION

Veracross
PowerSchool

CHALLENGES ASSOCIATED WITH TECHNOLOGY IN SCHOOLS

Recent and emerging research on impact technology is having on human development.

- The impact of technology is not just on what is learned but how the brain is developing and how humans are connecting, in both positive and concerning ways.

Balancing Core Skill Development with Technology Use

- Teachers need to ensure core skills are developed while helping students know when technology can support use of those skills.

Equitable Access & Teacher Readiness

- When thoughtfully used, technology has a positive impact on learning and should be accessible to all students, not just in the classrooms of select teachers.

CHALLENGES ASSOCIATED WITH TECHNOLOGY IN SCHOOLS

Post-Pandemic 'Tech Bloat'

- Rapid adoption of tools during COVID-19 has left schools managing an overwhelming digital ecosystem.

Tool Overload & Quality Concerns

- Explosion of tech tools (hardware and software), not all of which are impactful or evidence-informed and create disparities in experience.

Impact of Social Media Use on Student Social-Emotional Wellbeing

- Evidence now shows that excessive social media use can have a detrimental impact on the social-emotional wellbeing of all ages.

WHAT WE ARE STILL EXPLORING

We are continuously asking:

- Are we doing enough to set clear boundaries around non-educational device use?
- Are we appropriately balancing screen time with other forms of learning?
- Are students developing the right habits for self-regulation and focus?
- How do we ensure appropriate consistency across classrooms and divisions?



WHAT WE ARE CURRENTLY EXPLORING

Actions in progress:

- Reviewing our school-wide tech philosophy and approach to digital tool use
    - Including approach to device access and management
- Reviewing our approach to digital literacy development K-12
- Active review that our tools are appropriate and having the intended impact
    - End to end solution that ensures what tools / resources we have and bring in our evidence-based and in service of student development



PARTNERING WITH YOU

A shared commitment

- This is not just a school / education issue – it is a family, community, societal, and generational one
- We want to work **with you** to foster confident, critical, and responsible digital citizens, prepared for their future
- **Your feedback matters** – this session is just one step in an ongoing dialogue



HEALTHY TECHNOLOGY USE

What does healthy technology use look like, sound like, and feel like at home and in the classroom?

In your table groups, use the large chart paper to capture notes from your group discussion.



ROUND 1

When it comes to Technology in Education...

what are your primary concerns at this time?

Individual think time



Group discussion time



ROUND 2

When it comes to Technology in Education...

what might be the causes of your concerns?

Individual think time



Group discussion time



ROUND 3

When it comes to Technology in Education...

what is the change you'd most like to see?
What are you hoping for?

Individual think time



Group discussion time



ROUND 4

When it comes to Technology in Education...

what are the barriers that might be in the way?

Individual think time



Group discussion time



WHAT ADVICE DO YOU HAVE FOR US?

What advice do you have for us as a school as we continue to explore how technology and education can support our student's learning?



Thank you for your partnership!

Next Steps

- Parents unable to attend will have the opportunity to respond to the same questions
- Responses will be collated and be used to inform next stages of our approach
- Ongoing communication with all community members around tech use at SAS
- Parent coffee specific to AI on May 20
- Future opportunities to engage in dialogue will be announced next year

SINGAPORE AMERICAN SCHOOL