

Technology in today's classroom.

Dr. Kecia Ray



*Name that
year!*

When you see the picture, call
out when you believe it was
first introduced.





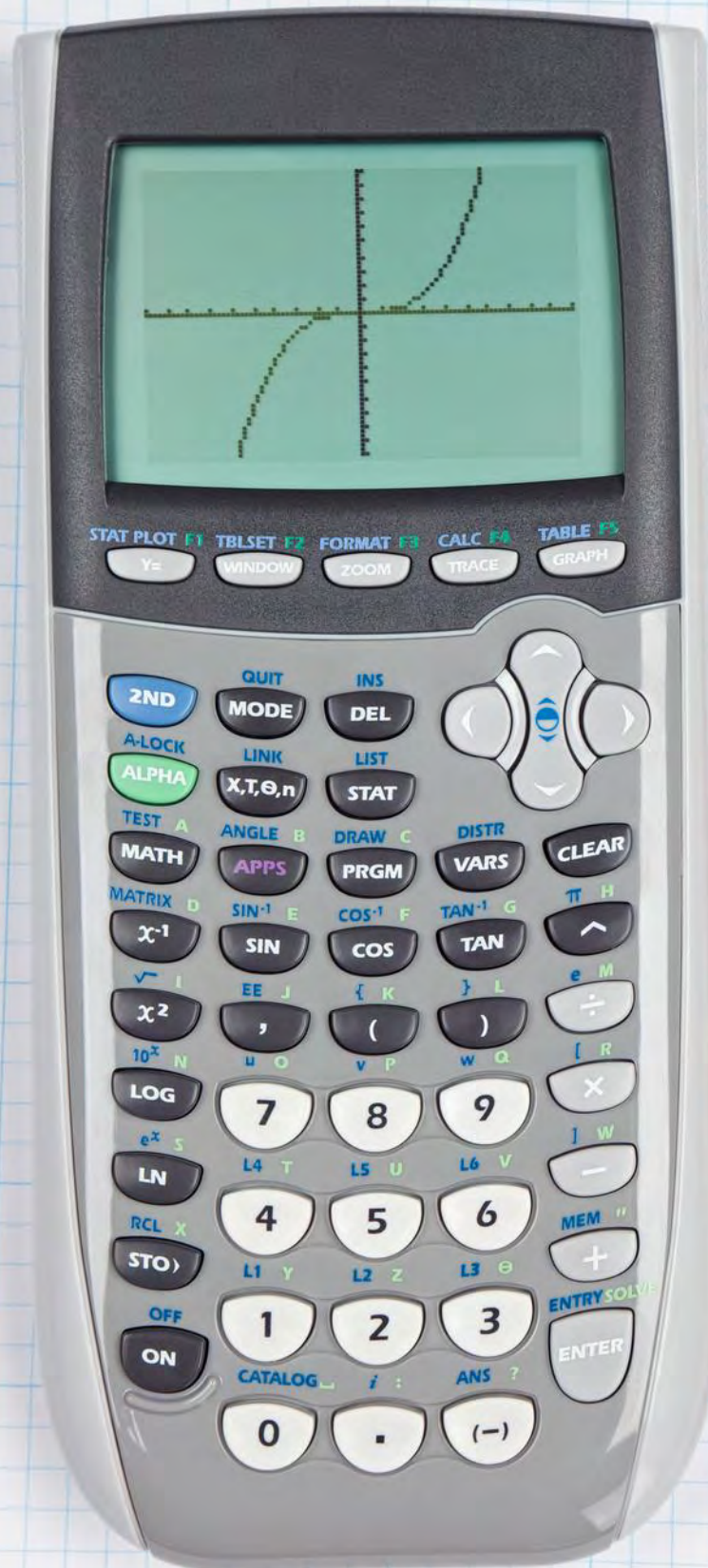












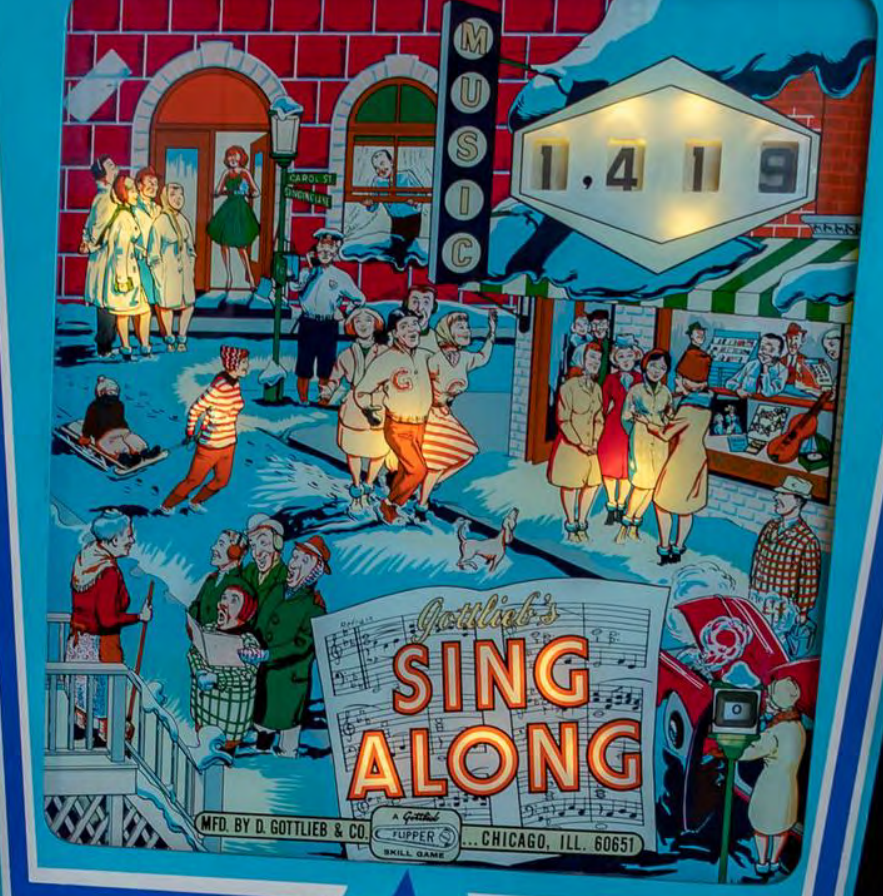
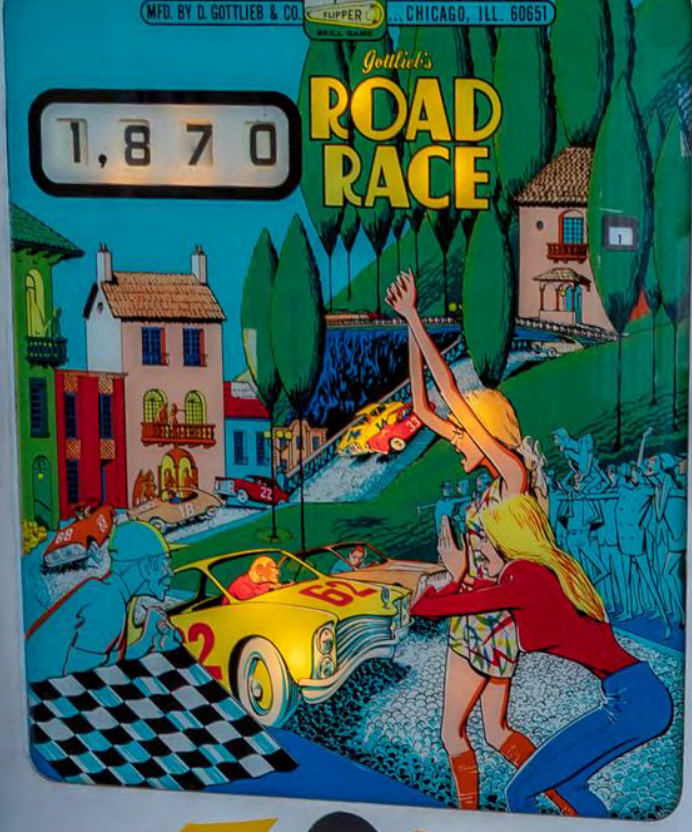


SOLID STATE

8 TRACK CARTRIDGE PLAYER

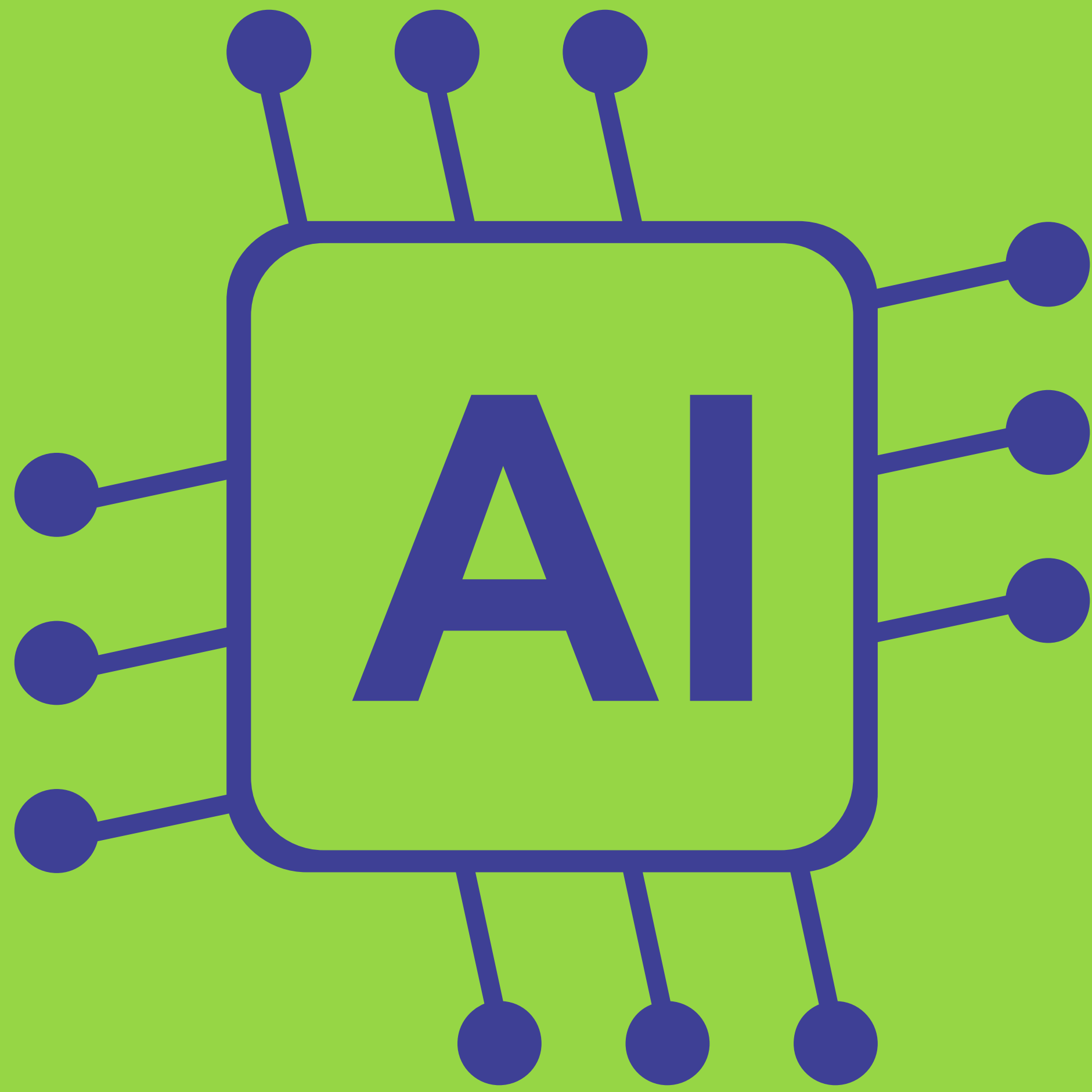
1 2 3 4

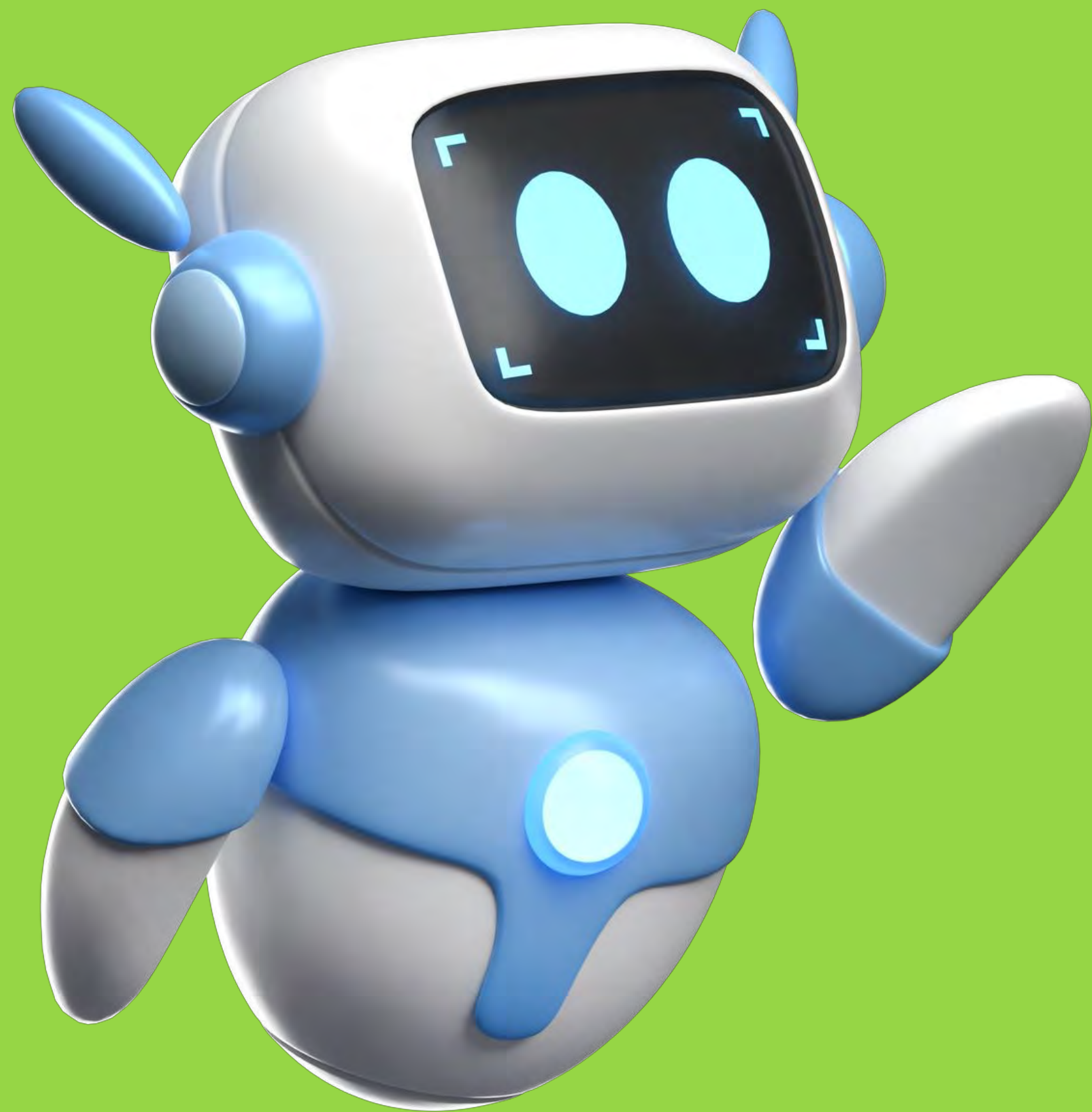
CHANNEL

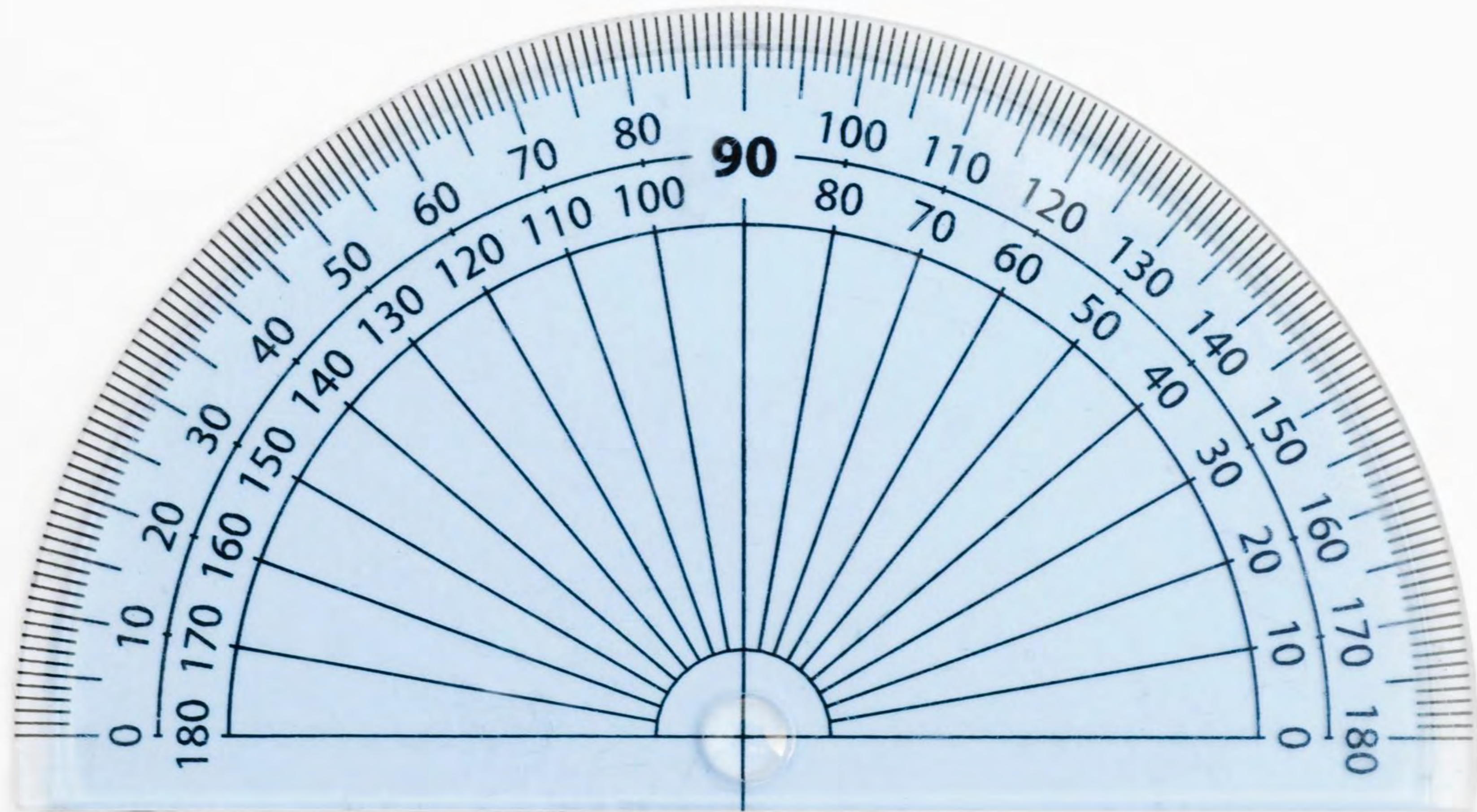


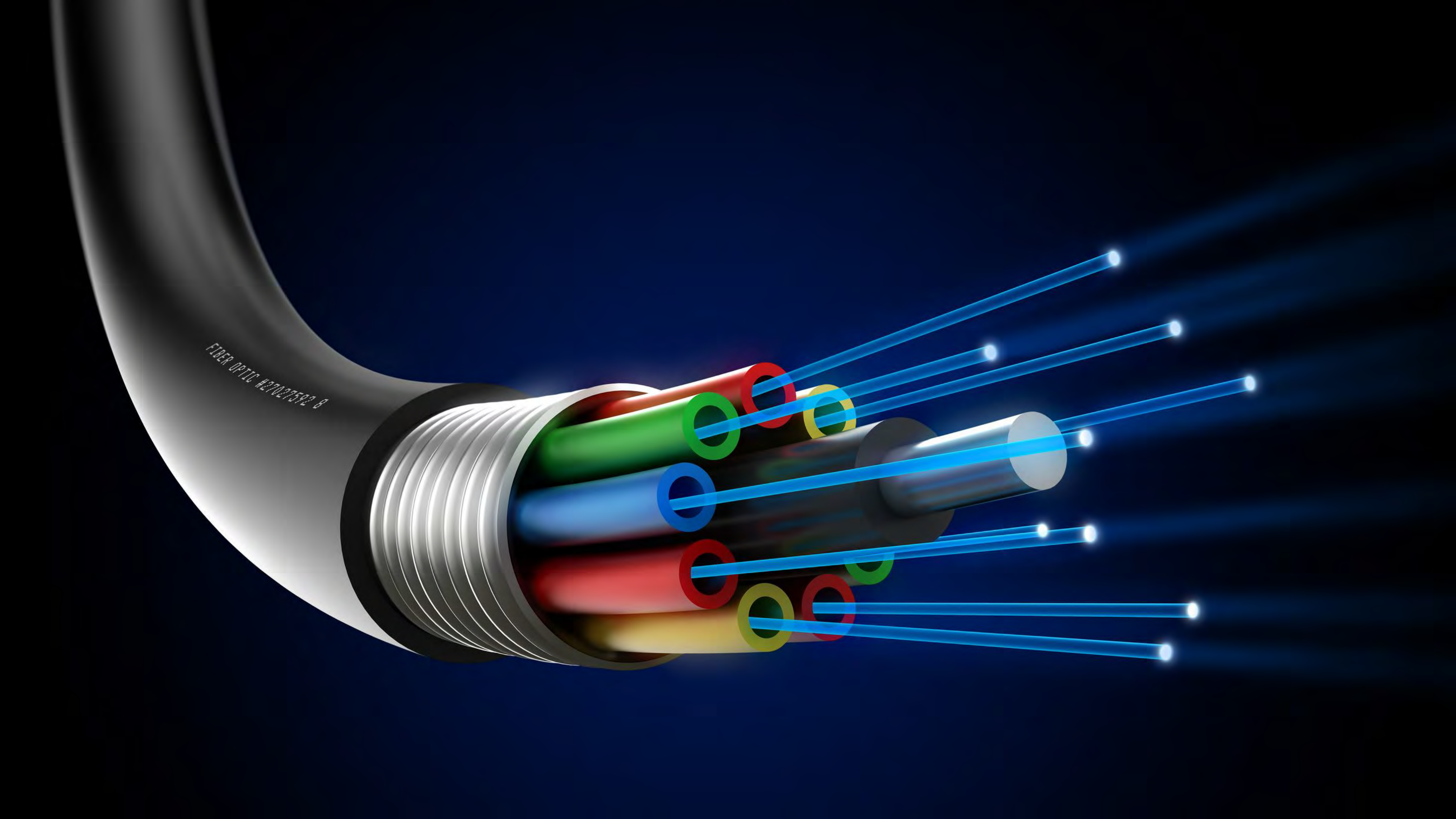




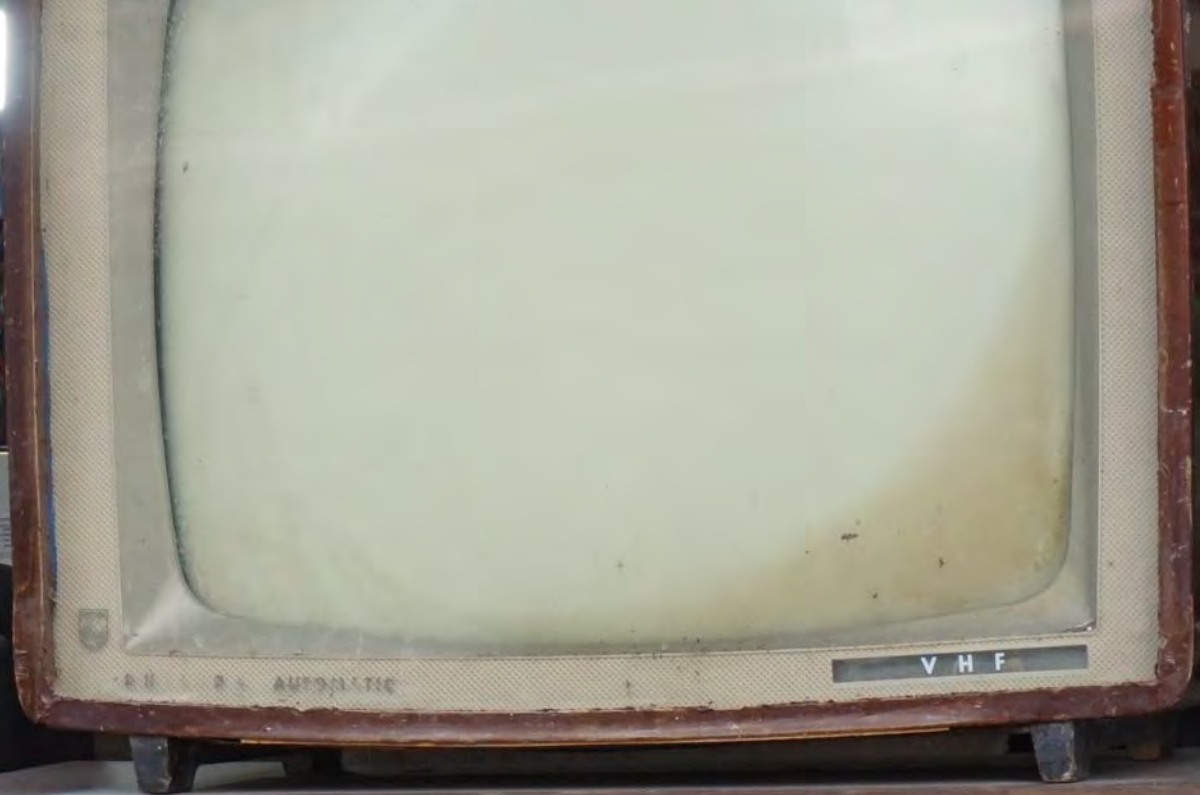












SMART TV





Internet



www



26

69

20

57

10

6+6

44

6+8

ANSWERS

Monopoly	1903
Pinball Machine	1930
Robots	1954
AI	1950
Fiber Optics	1952
Walkman	1979
Television	1927
Smart Television	1994
Laptop	1981
CD Rom	1982
VCR	1956
Alexa	2014
Video Games	1958
Digital Tablet	1989
Internet	1983
Protractor	1400BC
Graphing Calculator	1921
Smart Phone	1992
Cell Phone	1983
Pager	1921
Lego	1932
Chalkboard	1801
Magnetic Whiteboard	1955
Eight track player	1964

Were you surprised?

**Technologies have been
around since BC times!**



Let's talk about
schooling...

RAISE YOUR HAND WHEN YOU SEE YOUR
HIGH SCHOOL CLASSROOM.











Let's talk about
technology in
classrooms...

RAISE YOUR HAND WHEN YOU SEE
TECHNOLOGY THAT WAS IN YOUR HIGH
SCHOOL CLASSROOM.







Macintosh

Центральный процессор	Motorola 68000
Частота	8 МГц
Накопитель	3.5" 400 Kb
Операционная ОС	1.0
Оперативная память	128 Kb
Дисплей	9" 640x480
Интерфейсы	RS-422, DB9
Годы выпуска	01.1984 - 10.1985
Цена при старте	\$2495

Принтер
Модем

Apple ImageWriter I
(картридж 1200)

A Guided Tour of Macintosh
Listen, Experiment, and Enjoy Learning.

Show Me my Electronic Desk! Missing Around!

What's the Folder? Let Me Use my Macintosh!

Why Do I Have Windows? I'm Ready to Stop!

What Else Is in the Menu? Time to Play the Music!

Macintosh 512k

Центральный процессор	Motorola 68000
Частота	8 МГц
Накопитель	5.25" 400 Kb
Операционная ОС	1.0
Оперативная память	128 Kb
Дисплей	9" 640x480
Интерфейсы	RS-422, DB9
Годы выпуска	01.1984 - 10.1985
Цена при старте	\$2495

Принтер
Модем









MEMORY LANE

Do you think schools
adequately prepare
students for college
and/or their future
careers?

Do you believe a
student can attend
college without using
technology?

Do you believe a
student can start to
work without using any
type of technology?

Five things to
consider about
technology in
today's classroom.





Essential Digital Literacy Skills

- Digital Citizenship,
- Productivity,
- Information Literacy,
- Collaboration,
- Creativity and
- Learning.

Essential digital literacy skills

From sources across the web



Collaboration



Information literacy



Create digital content



Independent research



Coding



Critical thinking



Digital citizen



Functional Skills



Emotional literacy



Word processor



Basic computer skills



Branching literacy



Computational thinking



Creating presentations



Creativity



Cultural



Digital literacy skills



Evaluating sources



Communication



Online etiquette



Communicating digital in...



Online safety



Adaptation to changing t...

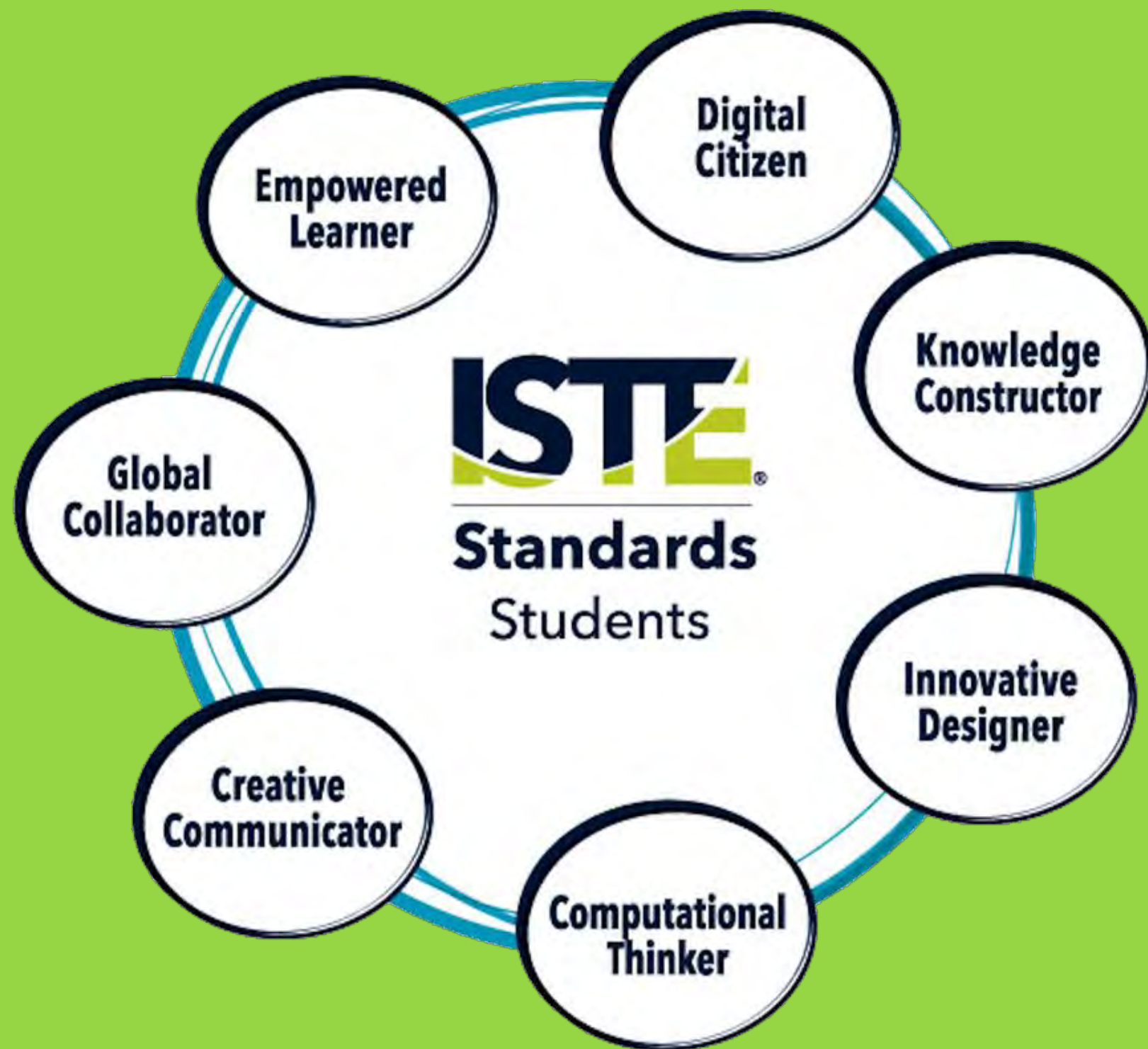


Insight on technology pur...



Know the right way to integrate
technology into learning and
teaching.





The U.S. Department of Education's Office of Educational Technology and the International Society for Technology in Education (ISTE) are bringing together higher education associations and Educator Preparation Programs that share a vision for accelerating change in how we prepare future teachers to be successful in new digital learning environments.



Signing the pledge signals that an EPP shares this vision to expand and scale digital equity and transformation in learning.

1. Prepare Teachers to thrive in digital learning environments.

We will prepare future teachers to use technology to provide equitable learning opportunities that support student success in all classrooms. This includes experience teaching in online or hybrid settings.

2. Prepare teachers to use technology to pursue ongoing professional learning.

We will prepare future teachers to use technology for collaborative learning and professional growth. This includes participating in online communities of practice relevant to their teaching goals and aspirations.

3. Prepare teachers to apply frameworks to accelerate transformative digital learning.

We will prepare future teachers to create effective digital learning experiences using nationally recognized educational technology standards. This includes aligning coursework and clinical experiences to those frameworks.

4. Equip all faculty to continuously improve expertise in technology for learning.

We will support all EPP faculty in modeling effective use of technology for instruction to build confidence and competence in future educators. This includes building capacity through faculty professional learning.

5. Collaborate with school leaders to identify shared digital teaching competencies.

We will partner with schools to establish a shared understanding of the teacher competencies required for effective, equitable use of technology for learning. This includes modeling exemplary approaches to technology use that are relevant to the vision, culture, and infrastructure of partner schools.

ISTE STANDARDS & TECHNOLOGY ALIGNMENT RUBRIC



Student

Educator

Coach

Educator Leader

Content

The content offers students the opportunity to practice skills and understand concepts covered within the standards.

The content aligns with state standards required for academic achievement.

The content aligns with curriculum and instructional practices within the organization.

The content enables students to master skills and concepts required by state law with a high level of achievement.

User Interface

The interface enables students to experience learning in a way that is meaningful, relevant, and active.

The interface allows teachers to design personal and flexible learning experiences.

The interface enables coaches to assist educators in designing experiences for learners and educators.

The interface supports leaders accessing environments and data to monitor student progress and teacher effectiveness.

Data

Data are collected in a manner that is non-intrusive and compliant with district, state, and federal guidelines to protect student data.

Data are easily extracted into grading systems and reports are easily generated to monitor student achievement.

Data is accessible to coaches to determine the level of support needed for classroom instruction or learning interventions.

Data are protected from cybercriminals and accessible at the leader level to monitor overall student performance.

Integration

Students can easily access application without multiple log in attempts.

Educators have ONE dashboard to view reports, data analysis, and deliver lessons.

Coaches have access to the variety of tools utilized by classroom teachers at varying levels through an easily accessible interface.

Leaders have confidence in the reliability of data shared between various learning systems.

Focus on stimulating critical thinking with district wide programs.











Inventory Report

Product Name : 0.5% Nacl 50 ML
Unit of Measure : box

Package : 1*12
OP. 450

Balance Total : 520

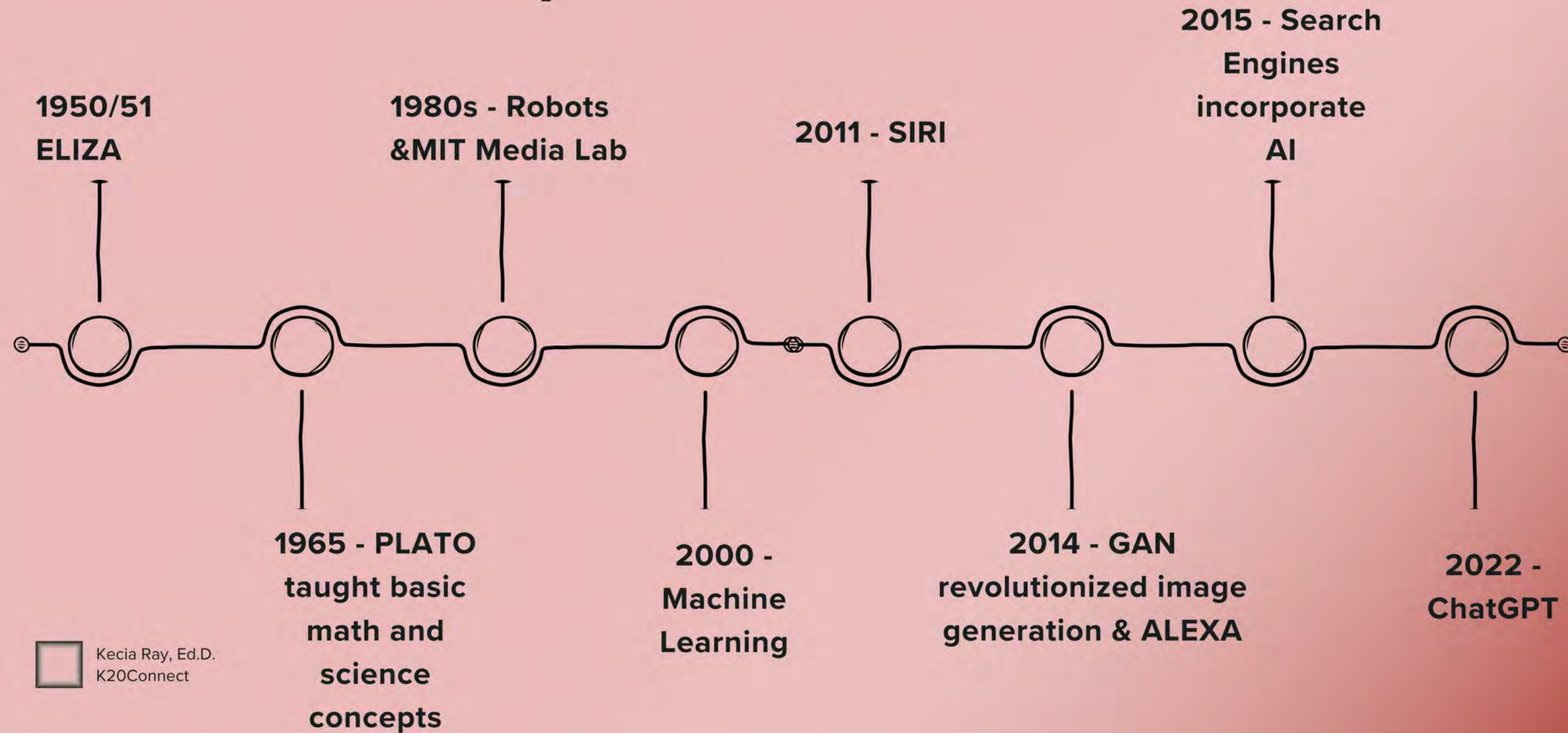




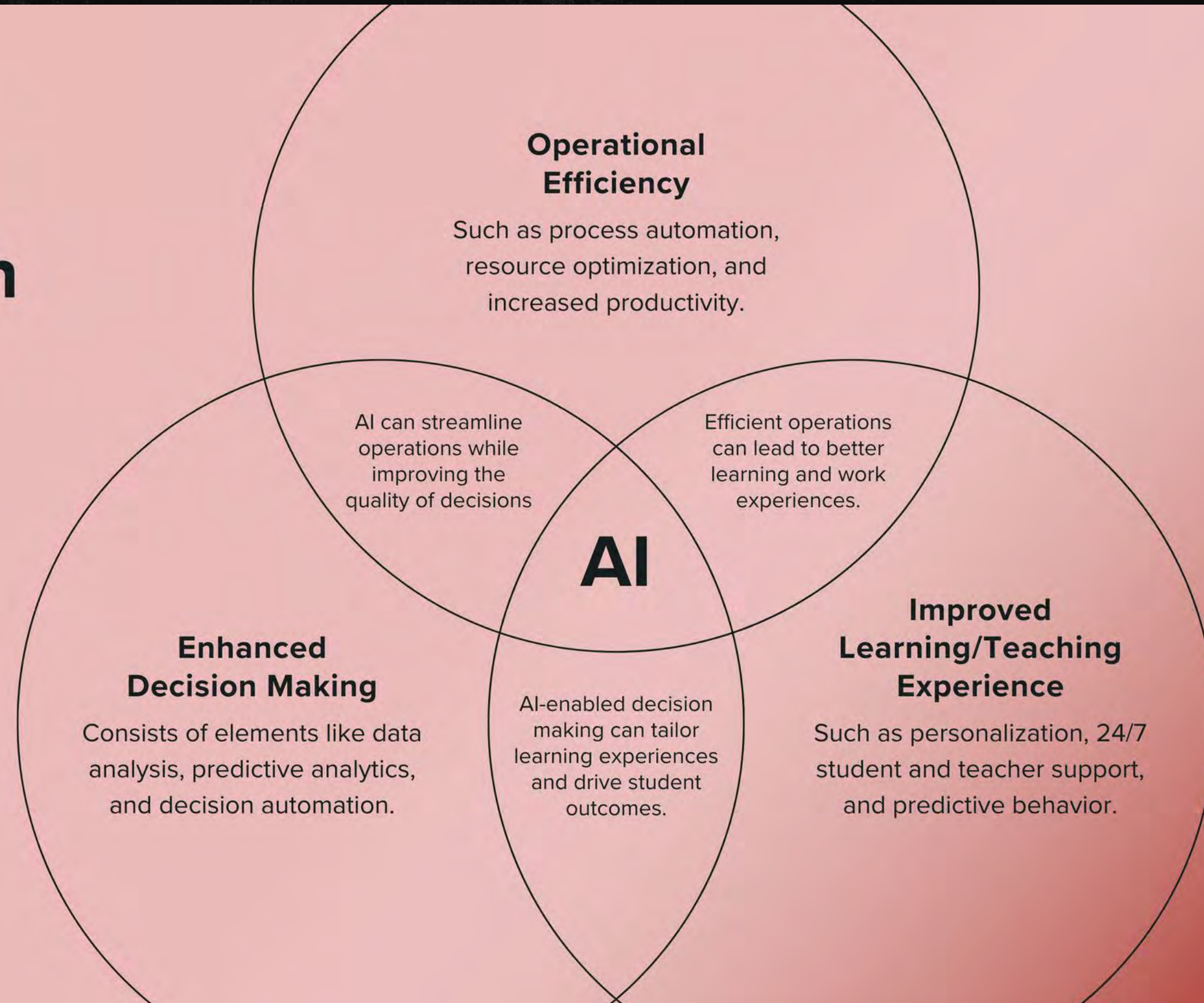
The image features a complex, glowing blue circuit board pattern on a dark background. The circuit lines are intricate, with many small circular nodes and branching paths. In the center of the image, the letters "AI" are displayed in a large, bold, white sans-serif font. The "AI" is positioned within a rectangular area that is slightly darker than the surrounding circuitry, making it stand out. The overall aesthetic is high-tech and digital.

AI

The AI Landscape



The Value Proposition



Kecia Ray, Ed.D.
K20Connect



OFFICE OF
Educational Technology

Artificial Intelligence and the Future of Teaching and Learning

Insights and Recommendations

May 2023





Always pay attention to the balance between technology
and other ways to deliver instruction.



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National Educational Technology Plan



A Call to Action for Closing the Digital Access, Design, and Use Divides

2024 National Educational Technology Plan

JANUARY 2024
U.S. DEPARTMENT OF EDUCATION
<http://ned.gov>



[Download](#)

About the National Educational Technology Plan

The U.S. Department of Education released the 2024 National Educational Technology Plan (NETP): A Call to Action for Closing the Digital Access, Design and Use Divides. First released in fulfillment of Improving America's Schools Act of 1994, NETP has been updated multiple times since its original release, most recently in 2016. While past NETPs have largely served as surveys of the state of the field, the Department of Education's 2024 NETP frames three key divides limiting the transformational potential of educational technology to support teaching and learning, including:

The **Digital Use Divide**, addressing opportunities to improve how students use technology to enhance their learning, including dynamic applications of technology to explore, create, and engage in critical analysis of academic content and knowledge;

The **Digital Design Divide**, addressing opportunities for educators to expand their professional learning and build the capacities necessary to design learning experiences enabled by technology; and

The **Digital Access Divide**, addressing opportunities for students and educators to gain equitable access to educational technology, including connectivity, devices, and digital content. This also includes accessibility and digital health, safety, and citizenship as key elements of digital access.



World is changing.

Friday EVENING

5 10 12 SONNY AND CHER COMEDY HOUR

Return: Mr. and Mrs. Sonny Bono open a second season (new day and time) with California governor Ronald Reagan (R), Howard Keel, British actor Wilfrid Hyde-White, the singing Jackson 5 and comic Larry Storch. Comedy includes an operetta featuring Cher as a princess with problems; and more of Cher's vamp routines—this time as Sadie Thompson, Cleopatra and Anna of Siam.

Highlights

"Say It Isn't So" Cher
"Lookin' Through the Windows" Jackson 5

6 9 9 WASHINGTON WEEK IN REVIEW

7 13 BRADY KIDS—Preview
Special: A parents' preview of the new ABC Saturday kiddie lineup. The "Brady Bunch" youngsters are on hand for excerpts from their own cartoon show, "Superstar Movie," "Kid Power" and the Osmond Bro-

SEPTMBER 15, 1972

thers' series.

[Pre-empt: "The Brady Bunch."]

10 EL DERECHO DE NACER 8W

11 MOVIE—Drama 8W

"The Entertainer." (English; 1964) About a man whose existence is a study in failure. Laurence Olivier. (1 hr., 55 min.)

12 MOVIE—Drama 8W

"Attack and Retreat." (Italian-Italian; 1966) An Italian soldier is separated from his company. Arthur Kennedy. (Approx. 3 hrs.)

13 AVENGERS—Adventure

A crazed movie producer and his forgotten stars plot to kill Emma Peel. Emma: Diana Rigg. (60 min.)

8:05 10 EL DERECHO DE NACER—Novela

8:30 3 4 LITTLE PEOPLE

Debut: Tonsillectomy trauma opens this series about a gruff but lovable pediatrician in Hawaii. A 6-year-old patient is afraid of the ordeal and so is Dr. Jamison (Brian Keith), who's been putting off his own tonsillectomy for months. Dr. Jamison:

Brian Keith. Anne: Shelley Fabares. Puni: Victoria Young. Ronnie: Michael Gray. Guest Cast: Jimmy: Benton Sen, Alfred: Stephen Hague. [A Hawaiian luau launched this series. Pictures of the party are in next week's TV GUIDE.]

6 9 9 RUN UP AND DOWN THESE STREETS—Documentary

Special: A study of the drug addict and effects of his illness on family life and society. Highlighting the program is a 1971 film—produced by addicts—about their home life and treatment programs. (60 min.)

7 7 13 PARTRIDGE FAMILY

Male chauvinist Keith (David Cassidy) battles liberated sister Laurie in the third-season opener. She's changing tires; he's baking cakes. Song: "God Bless You, Girl." Laurie: Susan Dey, Shirley: Shirley Jones, Danny: Danny Bonaduce, Guest Cast: Goose: James C. Jordan.

8:00 3 4 GHOST STORY—Drama
Debut: Jason Robards as a man



**THE SONNY & CHER COMEDY
HOUR. NEW TIME, 8PM.
CBS 10**

Special Saturday Morning Preview



8:00 Brady Bunch

Tonight the Brady kids take you on a dream trip through ABC's exciting new Saturday morning lineup of programs.

Keith? Male Chauvinist?



8:30 Partridge Family

New Season. Laurie goes lib. Keith goes crazy. Starring Shirley Jones and David Cassidy.

Hilarious new semester



9:00 Room 222

New Season. Starring Lloyd Haynes, Denise Nicholas, Michael Constantine, Karen Valentine.

Oscar tries to auto-mate



9:30 The Odd Couple

New Season. Oscar's computer date shows up. Felix blows a fuse. Starring Tony Randall and Jack Klugman.

Love and Laughter!



10:00 Love, American Style

Christopher Connelly, Joan Van Ark, Jack Cassidy, Anita Gillette, Jack Burns, Avery Schreiber, Sandra Dee, Roddy McDowall.

this is the place to be **abc 7 13**





Remember
WHY you
Started





CHANGE
THE
WORLD



Thank you!

Dr. Kecia Ray

kecia@K20Connect.net

www.K20Connect.net

LinkedIn - @drkeciaray