

Instructions

1. Print slides 2 -4 (1 slide per page) on 8.5x11 sheets of paper.
2. Print slides 6 - 95 with 4 slides per page (portrait orientation) on 8.5x 11 sheets of paper. This will autoscale each card to about 4 x 5.5.
3. For full effect, mount the slides onto construction paper using the “legend” on slide 5 as a guide to colors.

See also:

<https://sites.google.com/lexingtonma.org/zurbrick-chemistry/periodic-table-of-black-americans-in-stem?authuser=0>

Biology

Medicine

Aerospace

Environment

Chemistry

Mathematics

Engineering

Physics

Inventors

Technology

Learn more!



1 J M O						Biol ogy		Math emat ics											2 M v B B	
						Medi cine		Engi neeri ng												
3 E EJ	4 D H W						Aero spac e		Tech nolo gy	5 N R	6 R C	7 G C	8 Y Y C	9 N d G T	10 G W					
11 M JS C	12 A C						Envi ron men t		Phys ics	13 E C	14 F G	15 E D	16 O B	17 S AJ	18 G A M					
						Che		Inve												
19 R A Y	20 P E B	21 C F	22 V F			23 T W	24 S B	25 B G	26 S F	27 S M	28 M L	29 D B	30 M R M	31 K M	32 A H	33 C D	34 M G	35 E B	36 M T	
37 E C	38 M N	39 M J	40 D JV	41 M S	42 H A H	43 A L H	44 L A H	45 P LJ	46 E H	47 V L M M	48 G M W	49 C F S	50 M D	51 K B	52 IP M	53 H R B	54 L G J			
55 T	56 C	57 B	58 M	59 B	60 JA	61 M	62 L	63 C	64 JA	65 A	66 A	67 E	68 L	69 T	70 W	71 E	72 G			

1.



JMO

Joan Murrell Owens

marine biologist,
specializing in corals

2.



MvBB

Marie Van Brittan Brown

inventor of home
security system

3.



EE

Ernest Everett

biologist who furthered
understanding of cell
surface

4.



DHW

Daniel Hale Williams

performed 1st successful
open heart surgery in
America

5.



NR

Norbert Rillieux

inventor who changed
how we refine sugar

6.



RC

Roy Clay, Sr.

“Godfather of Silicon Valley”

7.



GC

George Carruthers

perfected a powerful UV
camera for NASA's Apollo
16 mission

8.



YYC

Yvonne Young Clark

pioneer in science and
engineering

9.



NdGT

Neil deGrasse Tyson

astrophysicist, planetary
scientist, and science
communicator

10.



GW

Granville Woods

inventor with 60 patents,
including “induction
telegraph”

11.



MJSC

**Margaret James
Strickland Collins**

entomologist specializing in
termites

12.



AC

Alexa Canady

1st Black woman in USA to
become a neurosurgeon

13.



EC

Elbert Cox

1st Black man in USA to
receive a PhD in math

14.



FG

Frank Greene, Jr.

developed high-speed
semiconductor computer-
memory systems

15.



ED

Ed Dwight

1st Black astronaut
candidate in USA

16.



OB

Otis Boykin

invented improved electrical
resistors for computers,
missile guidance, and
pacemakers

17.



SAJ

Shirley Ann Jackson

physicist who studies how
particles move to different
places

18.



GAM

Garrett Augustus
Morgan, Sr.

invented 3-position traffic
signal + gas masks and
safety goggles

19.



RAY

Roger Arliner Young

1st Black woman to receive
a PhD in zoology

20.



PEB

Patricia Era Bath

ophthalmologist, early
pioneer of laser cataract
surgery

21.



CF

Clyde Foster

NASA scientist whose
calculations helped launch
rockets into space

22.



VT

Valerie Thomas

NASA scientist, developed
1st satellite to send images
from space

23.



MTW

**Marguerite Thomas
Williams**

1st Black geology PhD,
geologist and geographer

24.



SEB

St. Elmo Brady

1st Black man to earn a PhD
in chemistry in the USA

25.



BWG

Bettye Washington
Greene

1st Black woman with PhD
in chemist to work at Dow
Chemical Company

26.



JSF

Joseph S. Francisco

chemist researching the
atmosphere

27.



MMD

Marie Maynard Daly

biochemist who linked high
cholesterol with
cardiovascular disease

28.



MLB

Marie Maynard Daly

one of 1st Black women to
earn a PhD in USA; highly
influential professor of
mathematics

29.



DB

David BLackwell

mathematician, contributed
to game theory, probability
theory, and more

30.



MRM

Melba Roy Mouton

headed a group of NASA
mathematicians called
"computers" in 1960s

31.



KM

Kelly Miller

mathematician, sociologist,
essayist, newspaper
columnist, and author

32.



AY

Ayanna Howard

engineer improving artificial
intelligence, robotics, and
computer vision

33.



CD

Christine Darden

NASA engineer, designed wings for aircraft travelling faster than speed of sound

34.

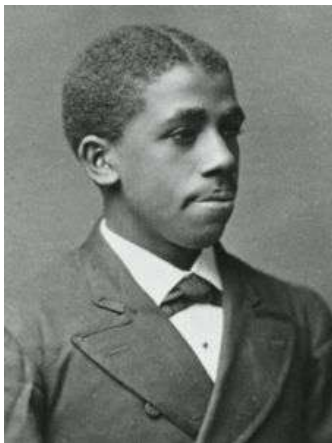


MD

Meredith Gourdine

athlete, engineer, and
physicist at Jet Propulsion
Laboratory

35.



EB

Edward Bouchet

physicist, 1st Black man to
earn PhD in USA

36.

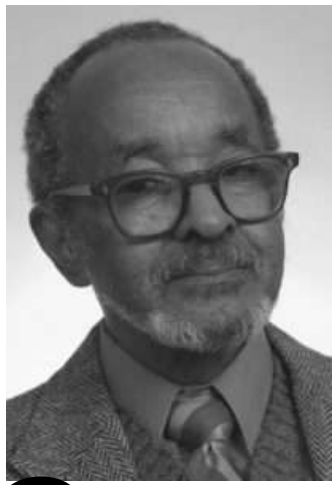


MT

Madeline Turner

inventor of the fruit press

37.



EC

Emmett Chappelle

innovated a way to harvest
the power of
bioluminescence

38.



MIN

Marcella Nunez

physician appointed by
President Biden to co-chair
National COVID-19
Advisory Board

39.



MJ

Mae Jemison

1st Black woman to travel
into space

40.



DJV

**Dorothy Johnson
Vaughan**

human computer who
worked for NASA

41.



MS

Marshall Shepherd

expert in weather and
climate

42.



HAH

Henry Aaron Hill

chemist who researched
water-based paints,
firefighting foam, and
synthetic rubber

43.



ALH

Alma Levant Hayden

chemist who exposed fake
“anti-cancer” treatment

44.



LAH

Llyod Augustus Hall

chemist who improved
food preservation

45.



PLJ

Percy Lavon Julian

chemist who discovered
treatment for glaucoma

46.



EH

Euphemia Haynes

1st Black woman to earn
PhD in mathematics

47.



VLMM

**Vivienne Lucille Malone
Mayes**

studied properties of
functions, and methods of
teaching mathematics

48.



GMW

Gladys Mae West

used math to model shape
of earth; contributed to
development of GPS

49.



CFS

Clarence Francis
Stephens

created most successful
US undergraduate
mathematics program

50.



MD

Mark Dean

prominent inventor in
computer science; one of
the original creators of PCs

51.



KB

Kimberly Bryant

electrical engineer, creator
of Black Girls Code

52.



IPM

**Irving Pressley
McPhail**

professor, President of the
National Action Council for
Minorities in Engineering

53.



HRB

Herman Russell
Branson

researched alpha helix
protein structure

54.



L G J

**Lonnie George
Johnson**

NASA engineer, inventor of
super soaker

55.



TH

Tyrone Hayes

biologist who exposed side
effects of common
herbicide, atrazine

56.



CTL

**Cato Thomas
Laurencin**

physician, 1st to develop
nanofiber technologies for
tissue regeneration

57.



BB

Beth Brown

NASA astrophysicist;
studies galaxies that produce
x-ray energy

58.



MJ

Mary Jackson

NASA aerospace engineer
and mathematician

59.



BB

Benjamin Banneker

land surveyor, assisted in
survey of now Federal
capital (Washington, D.C.)

60.



JAH

James Andrew Harris

co-discoverer of elements
104 (rutherfordium) and
105 (dubnium)

61.



MEH

Mary Elliott Hill

chemist, paved the way for
development of plastics

62.



LAQ

Lloyd Albert
Quarterman

part of Manhattan Project
team that isolated U-235
isotope for A-bombs

63.



CRD

Charles Richard
Drew

implemented technique to
preserve blood plasma
during WWII

64.



JAP

Joseph Alphonso
Pierce

one of the 1st Black men to
earn a PhD in Mathematics
in the USA

65.



ATBR

Albert Turner
Bharucha-Reid

mathematician who worked
extensively on probability
theory

66.



AE

Annie Easley

computer scientist,
mathematician, and rocket
scientist at NASA

67.



EZF

Etta Zuber Falconer

one of the 1st Black women
to earn a PhD in
mathematics in the USA

68.



LG

Lisa Gelobter

developed the animation
used to create GIFs

69.



TW

Tristan Walker

cofounder of Code2040,
CEO of Walker & Co.

70.



WM

William Murrell

entrepreneur + computer
scientist; started Boston's
largest Black-owned
computer store

71.

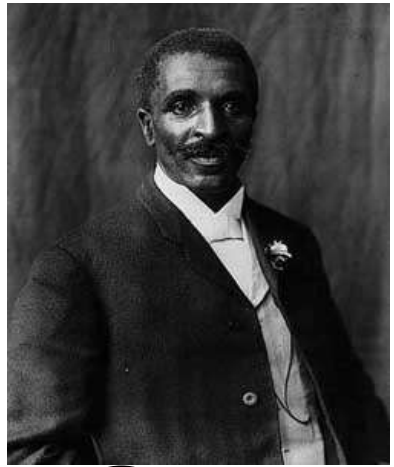


ESI

Elmer Samuel Imes

2nd Black man to earn a
PhD in physics in the USA

72.



GWC

George Washington
Carver

agricultural scientist;
developed hundreds of food
products

73.



JPC

Jewel Plummer Cobb

cancer researcher; studied
cure for melanoma

74.



HMM

Henry McKee Minton

pharmacist and physician
who helped found the first
African American fraternity,
Sigma Pi Phi

75.



GB

Guion Bluford

1st Black astronaut

76.

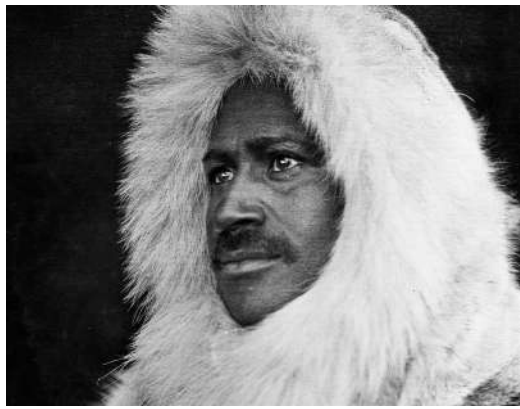


KJ

Katherine Johnson

NASA mathematician,
calculated orbital mechanics
for human spaceflight

77.



MH

Matthew Henson

American explorer best
known as the co-discoverer
of the North Pole

78.



JRC

John R. Cooper

chemist, developed heat-
resistant rubbers

79.



AB

Alice Ball

chemist, developed
treatment for leprosy

80.



WLH

**Walter Lincoln
Hawkins**

chemist, pioneer of polymer
chemistry, inventor of
telephone wire coating

81.



ALTK

Angie Lena Turner
King

chemist, mathematician,
professor

82.

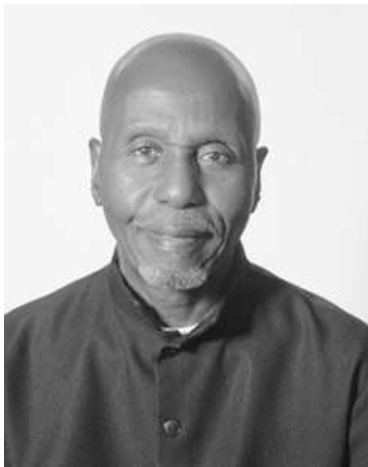


CLR

**Charles Lewis
Reason**

mathematician, 1st Black
college professor in the
United States

83.



AAS

**Abdulalim Abdullah
Shabazz**

mathematician, recipient of
President's National Mentor
Award (2000)

84.



RLH

Rudy Lee Horne

mathematician, studied
nonlinear waves

85.



TAFS

Thyrsa Anne Frazier
Svager

one of the 1st Black women
in USA to earn a PhD in
mathematics

86.



MRH

Marc Regis Hannah

co-founded Silicon Graphics,
huge part of animated films
in 1980s-1990s

87.

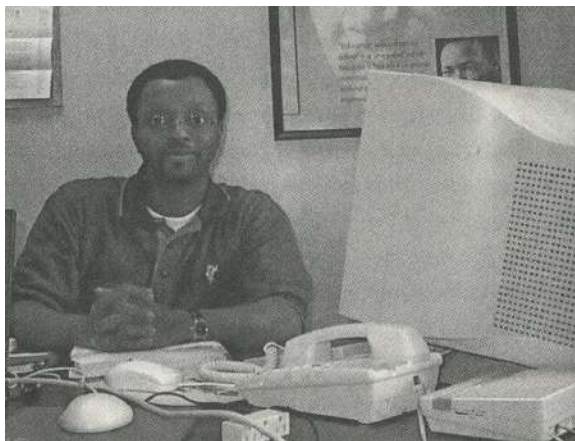


EO

Eric Osborn

founder of HERE Seattle,
creating paths to tech for
Black and Latino boys

88.



DB

Derrick Brown

computer scientist, pioneer
of Black-related websites in
1990s

89.



JWD

John Warren Davis

professor, founder of one
of the 1st chapters of the
NAACP

90.



MBDK

Mary Beatrice
Davidson Kenner

inventor of numerous
products, holds 5 patents