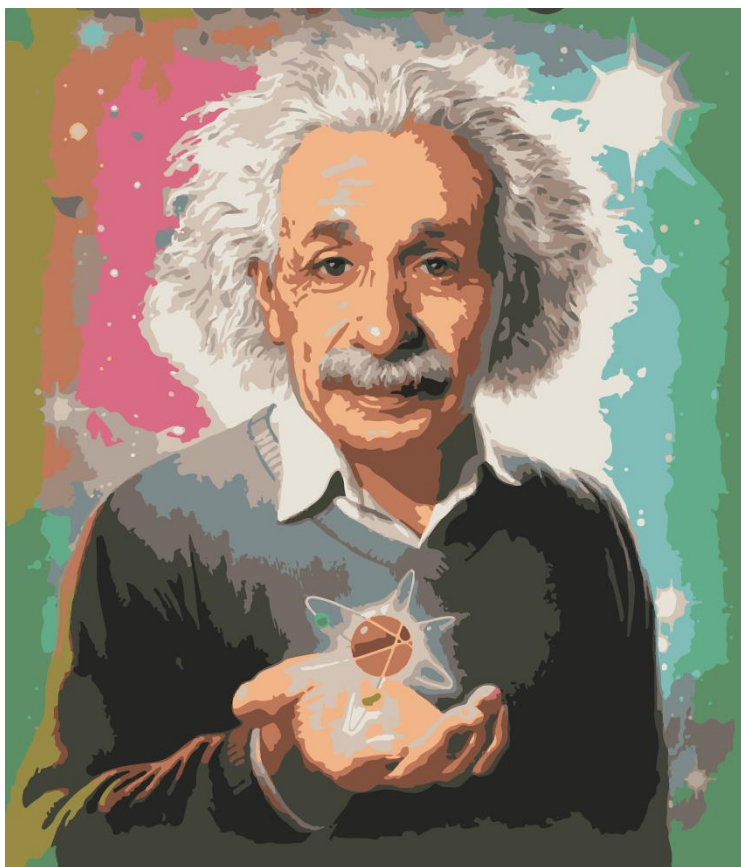


CLEVER CONCEPTS in SCIENCE

**science
RHYMES**

Science Week: 12th to 20th August 2023
www.scienceweek.net.au

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SHARE YOUR rhyming poem of BRIGHT IDEAS

for



**science
RHYMES**

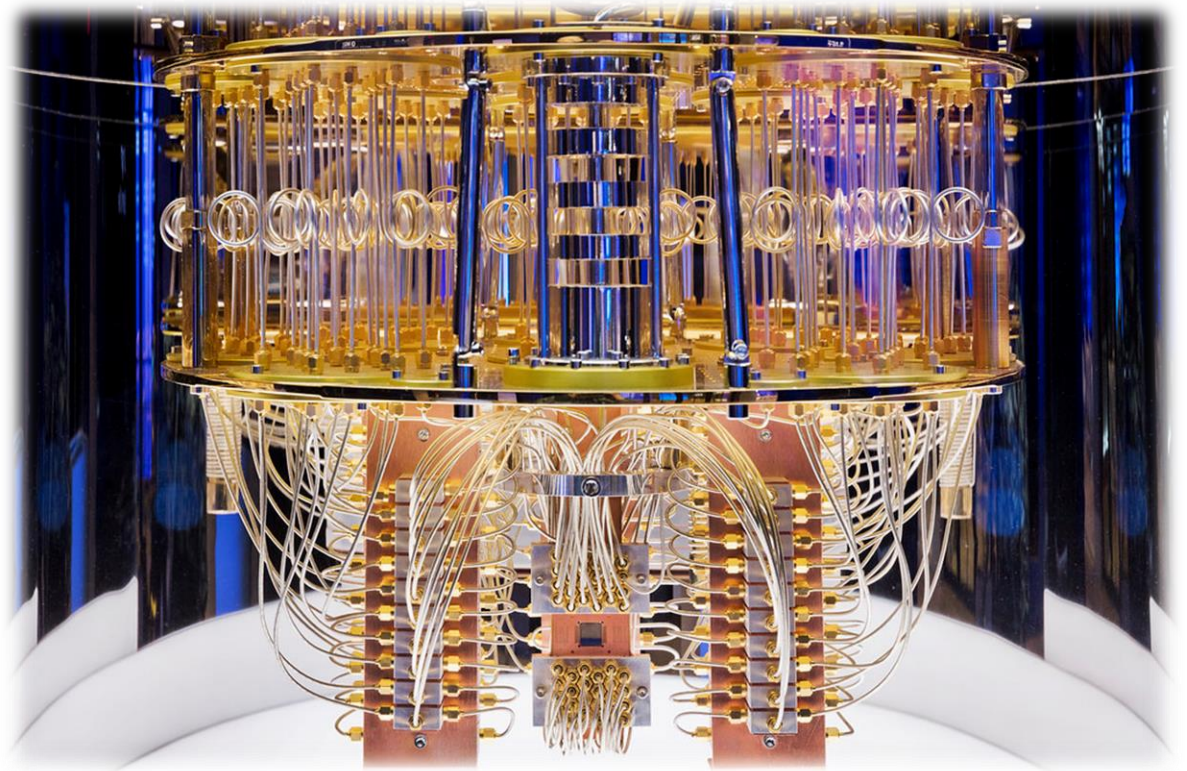
Send to
feedback@scienceryhmes.com.au
by Friday 28th July 2023
www.scienceryhmes.com.au

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From
the wheel ...



to quantum computers...



INVENTORS & INVENTIONS

shape our lives and imagination



Humans are NEOTENIC

“Neoteny is more than retaining a youthful appearance, although that is often part of it. Neoteny is the retention of all those wonderful qualities that we associate with youth: curiosity, playfulness, eagerness, fearlessness, warmth, energy.

Warren G. Bennis

WE
REMAIN
CURIOUS
& PLAYFUL



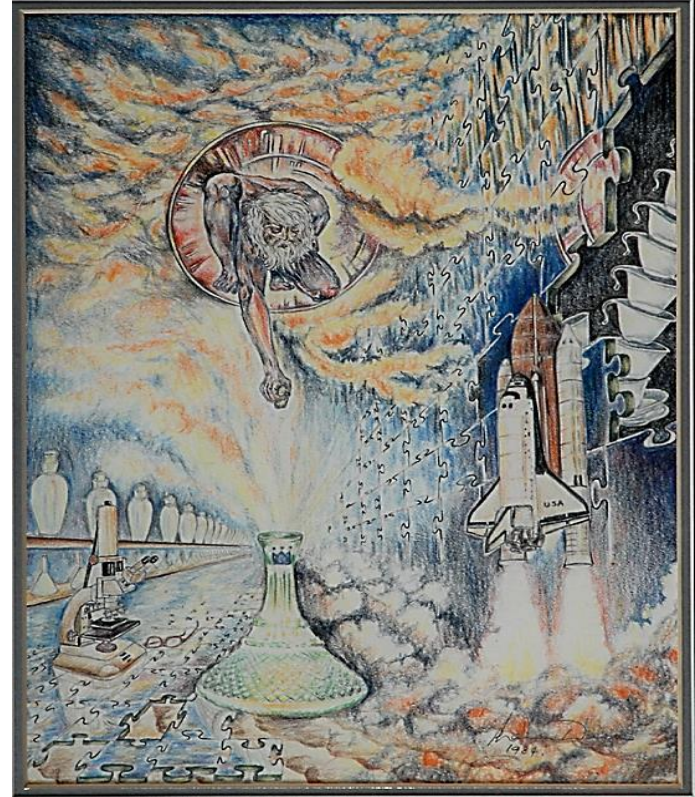
Mother of Invention

by Celia Berrell

Neotenic humankind
is ceaseless of inquiring mind.
With science and technology,
the stopper's out, dynamically!

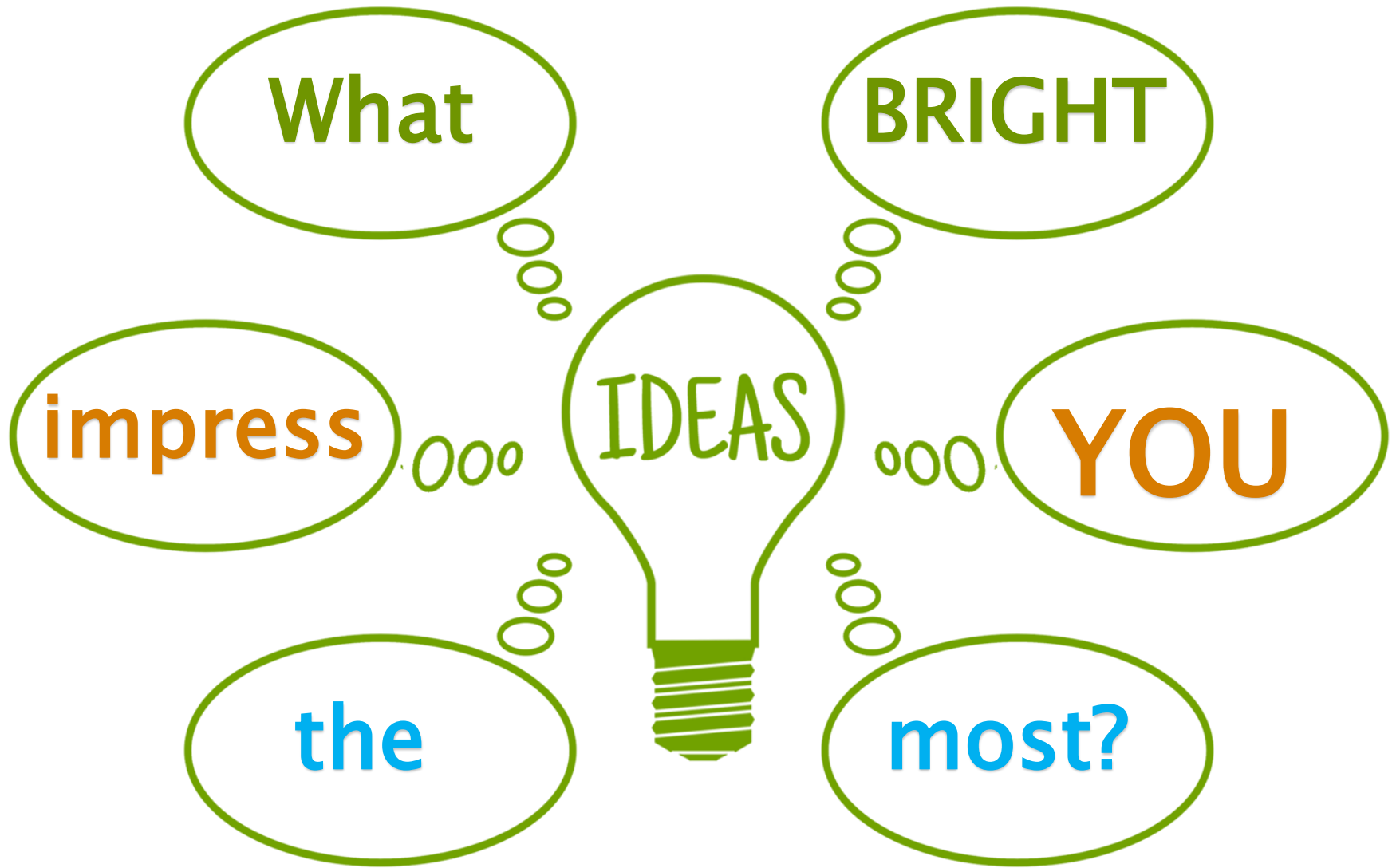
From fire to furnaced energy;
from steam to electricity.
We modify genetically,
and glean the stars effectively.

We can't slow down this gain in pace.
The fascination's well in place.
Much to learn – with good intention,
drives this mother of invention.

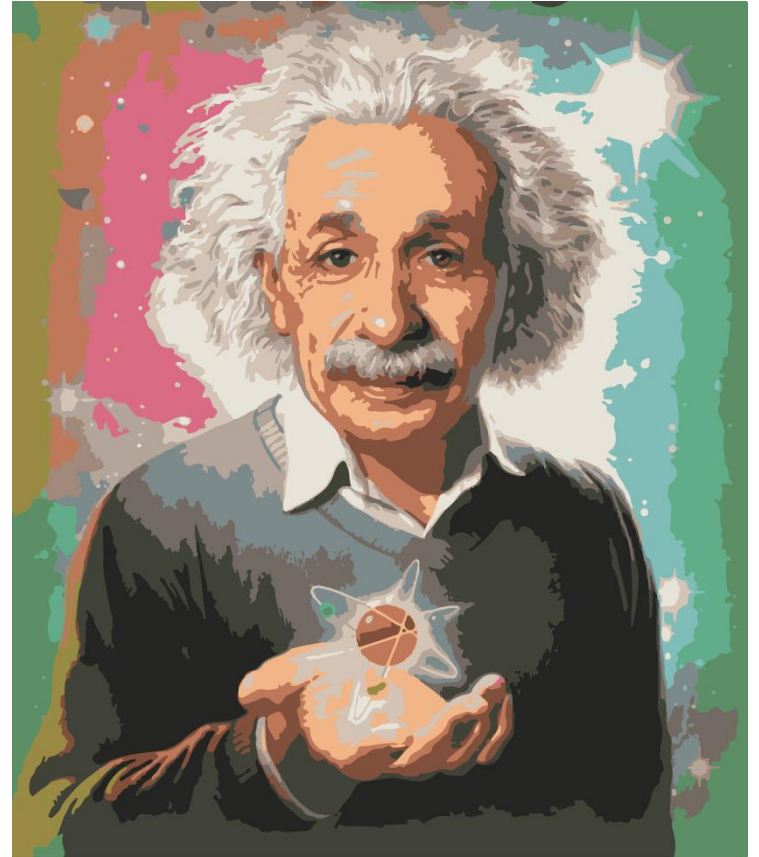


Origins of the Future

crayon drawing by [Sharon Davson](#)

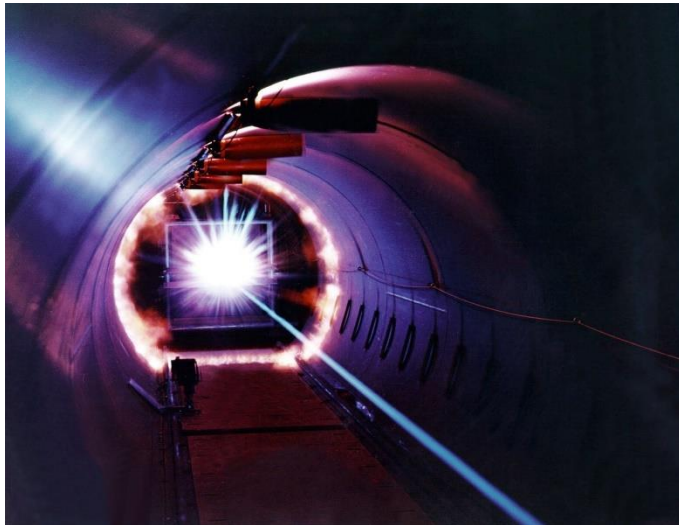


Some
BRIGHT IDEAS
come from
famous
scientists
such as ...



Albert Einstein
1879 – 1955

Einstein's THEORIES led to: G.P.S. & Lasers



Laser light technology



Global Positioning System
= SatNav + Google Maps

Newton's
clever
concepts
led to ...



Sir Isaac Newton
1643 – 1727

Sir Isaac Newton's Laws of Motion

by Celia Berrell

Newton was a clever man.
An avid scientific fan.
He questioned many things he saw.
Like ones we had no answers for.
He thought them through, right to their cores.
Then gave us many handy laws.



Newton's First Law Of Motion:

Without a force of push or pull
an object will remain quite still.
With just one push at just one time
that object moves in one straight line.

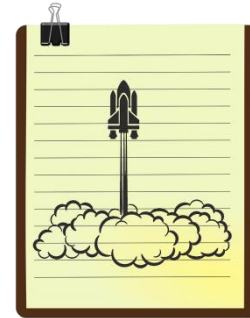


Sir Isaac Newton's Laws of Motion

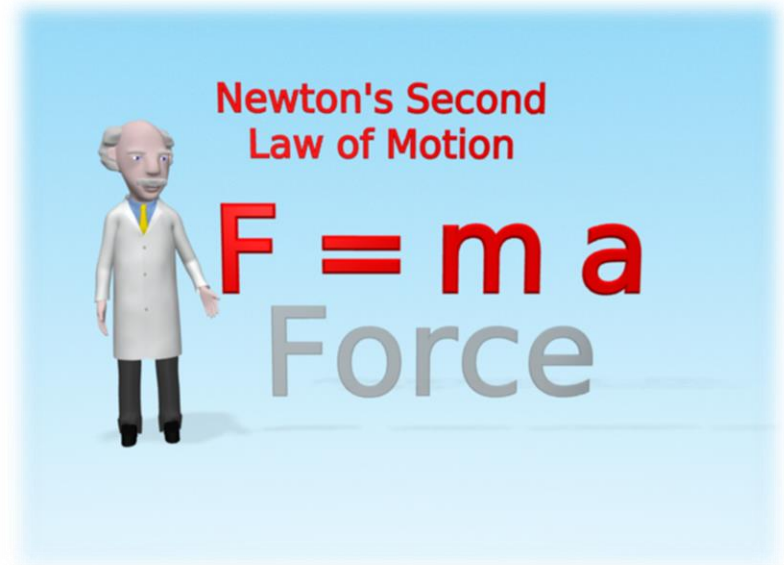
by Celia Berrell (continued 1)

Newton's Second Law Of Motion:

A bigger **F**orce **a**ccelerates an object that is heavy-weight. While objects of a smaller **m**ass don't need much **F**orce to move them fast.



So Newton noticed they obey that **F**orce will equal **m** times **a**.



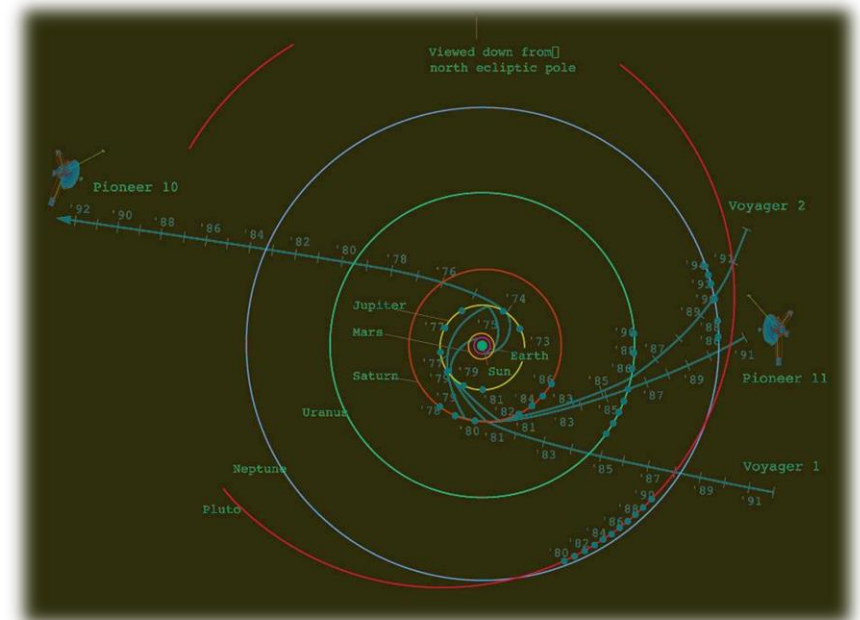
Sir Isaac Newton's Laws of Motion

by Celia Berrell (continued 2)

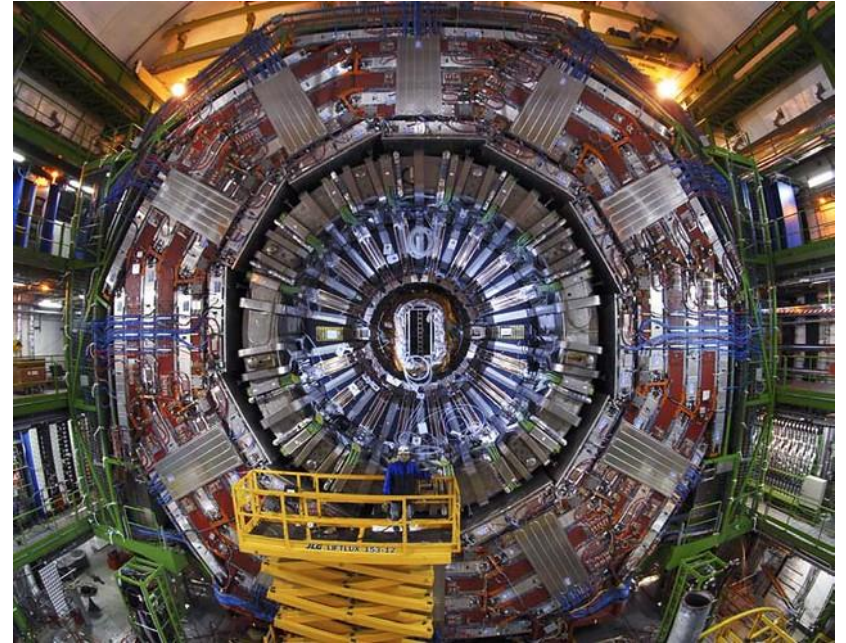
Newton's Third Law Of Motion:

Now bend a stick. Before it cracks you'll feel its force of pushing back. For every action there will be an equal one – opposingly.

Without his formulas in place we'd soon get lost in outer space. So Isaac's Laws help us traverse the reaches of our universe!



Other
DISCOVERIES
take many
people &
many years



Large Hadron Collider experiment
2008 – current
at **CERN in Switzerland**
1954 – current

WIFI TECHNOLOGY began with a Movie Star ...



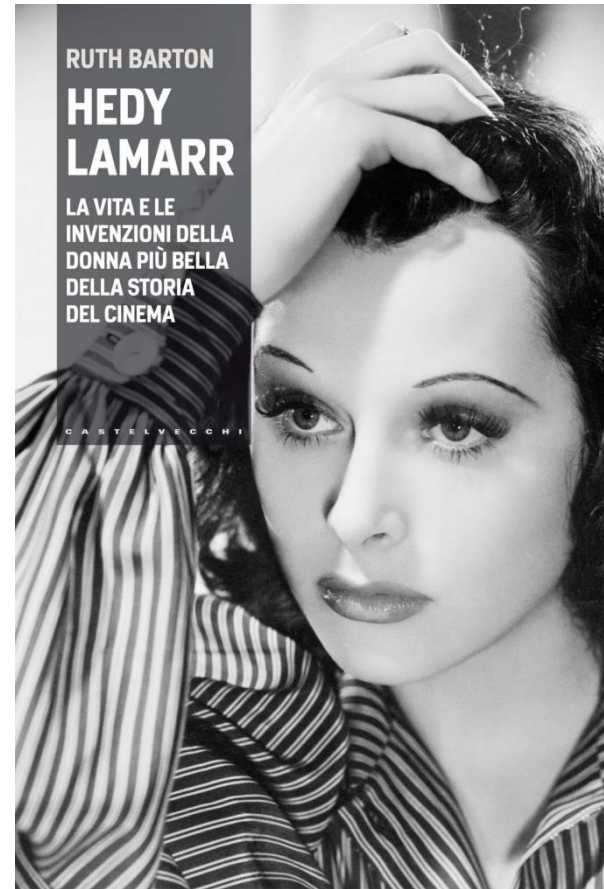
Hedy Lamarr in the 1940's

Mostly Man-Made Science?

by Celia Berrell

Hedy Lamarr
was a movie star
when most men thought
that young women ought
to be slightly silly
charming and witty
and wherever possible,
awfully pretty.

Few men today
would think that way,
would they?



Mostly Man-Made Science?

by Celia Berrell (continued)

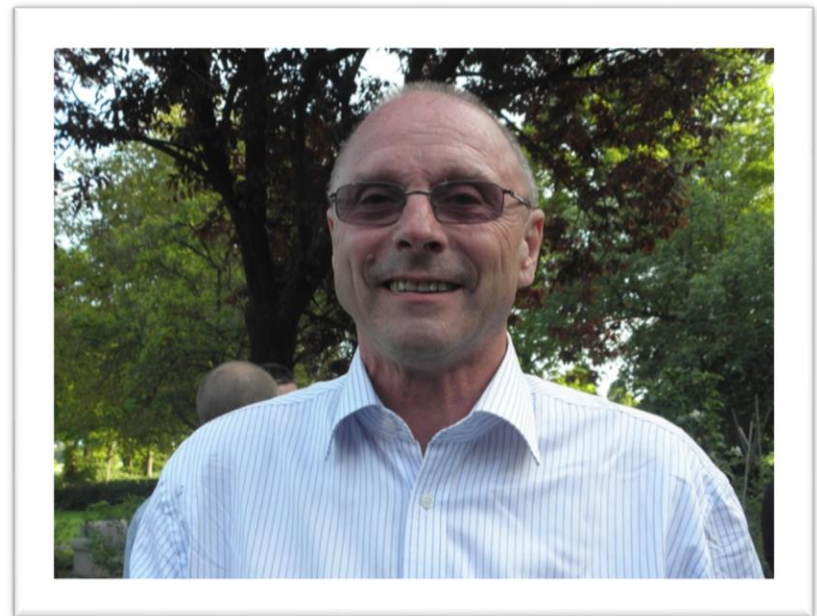
Hedy Lamarr
was a scientist too.
Through World War Two
her inventions were true,
paving the way
for WiFi today.
But science-men played
that her name held no sway.

Few men today
dismiss women that way,
or do they?



WIFI launched in the 1990's

through the Commonwealth
Scientific & Industrial
Research Organisation
in Australia



John O'Sullivan
Radio Astronomer
1947 – current

WiFi Wizardry

by Celia Berrell

Invented in Australia
at CSIRO
fast WiFi can connect us
almost everywhere we go.

Electro-magnetism is
light-speed radiation
from X-rays, light and microwaves
to radio-wave sensations.



WiFi Wizardry

by Celia Berrell (continued)

WiFi rides the frequencies
closest to your radio
compared to compressed light-waves
seen in a rainbow.

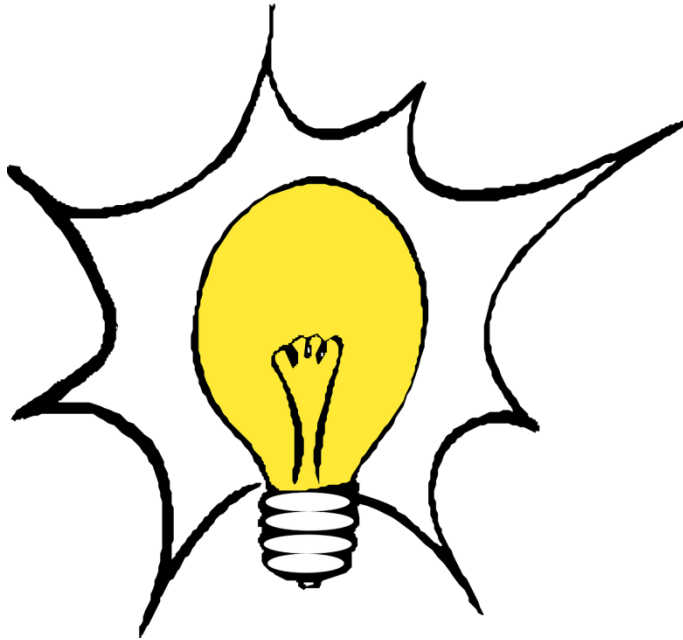
Thanks to John O'Sullivan's team
of scientists most clever
fast WiFi capabilities have
changed our world forever!



Click on the links below for more CLEVER CONCEPTS IN SCIENCE:

- ▶ Things we can't do without:
<https://science.howstuffworks.com/innovation/scientific-experiments/5-scientific-breakthroughs-we-couldnt-live-without.htm>
- ▶ Videos of Amazing Moments in science:
<https://www.bbvaopenmind.com/en/science/scientific-insights/amazing-moments-of-science/>
- ▶ What's in a SMARTPHONE:
<https://electronics.howstuffworks.com/smartphone.htm>

Did this give you some ideas?



We prefer receiving YOUR POEM when it:

- rhymes
- is 1 to 5 verses (up to 20 lines)
- contains some science

And if you are school-age, please send via a parental/adult email address so we can reply.

THANKS!

Send to
feedback@sciencerrhymes.com.au
by Friday 28th July 2023

and finally ... 

Can ChatGPT write Science Rhymes?

Nicky asked ChatGPT to:

Write a funny poem about black holes. It should be 3 verses, rhyming and be factually correct. The target audience is children.

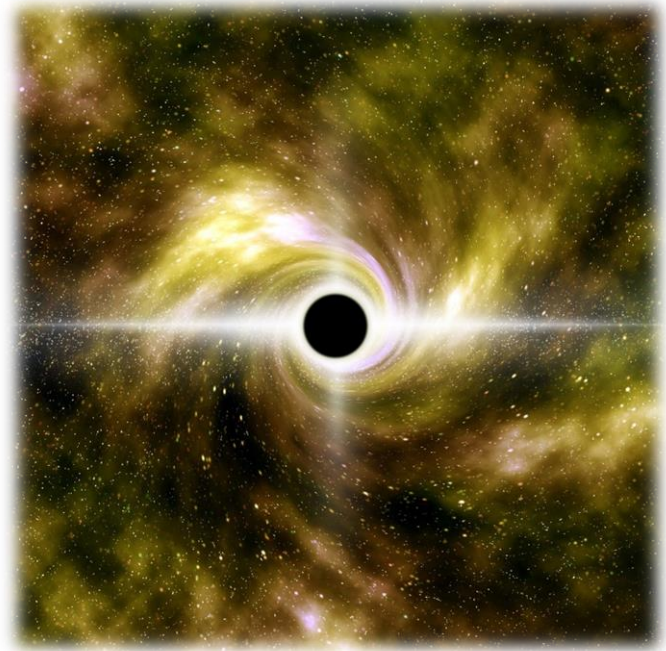


Black Holes

by Nicky and ChatGPT

In the depths of space,
so dark and wide,
There's something strange
that we can't hide,
A cosmic vacuum that's quite a sight,
It's called a black hole,
oh what a fright!

It's not a hole,
you might be thinking,
But rather a singularity
that's sinking,
A point of mass that's dense and high,
That even light
can't pass it by!



Black Holes

by Nicky and ChatGPT (continued)

Gravity's so strong,
it's hard to explain,
Everything gets sucked in,
even a train,
It warps space and time, oh my,
This black hole really
catches the eye!

So if you're traveling
through space one day,
Beware of black holes,
they'll pull you away,
But don't you worry, just stay clear,
And you'll be safe,
never fear!



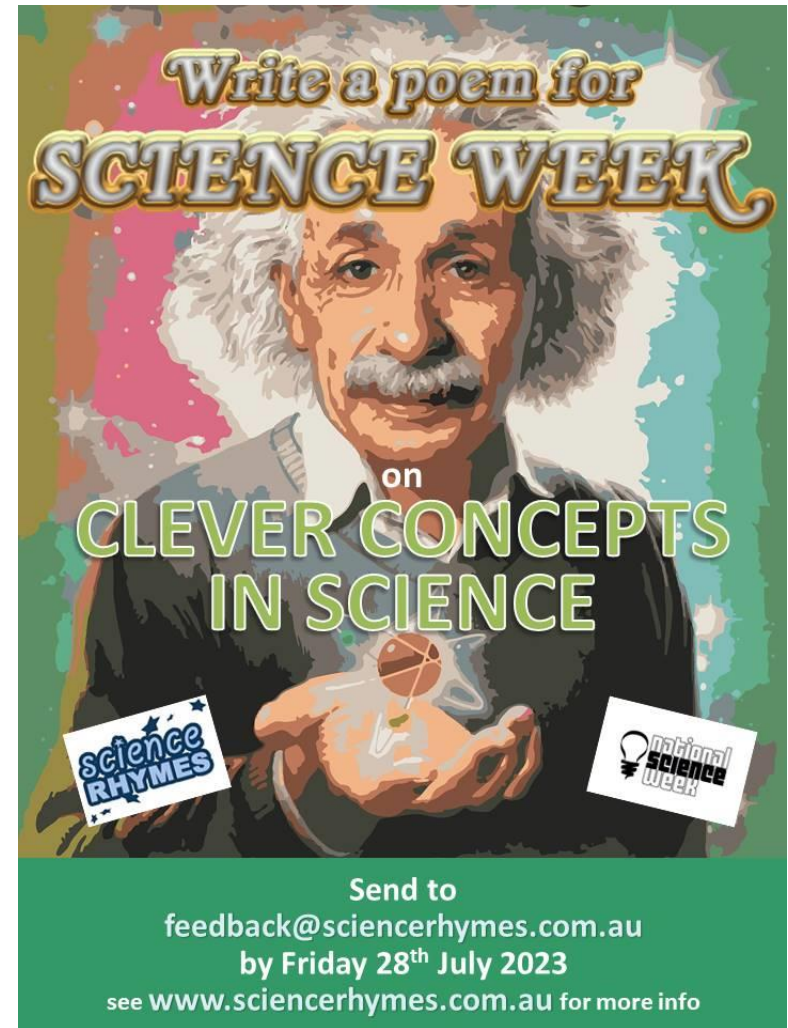
Is using ChatGPT cheating?

If you send in a poem which used ChatGPT, YOU are still the poem's author (because YOU wrote the instructions for ChatGPT to follow).

Even if you EDIT that poem, please be honest and attribute the poem as being written by YOU & ChatGPT.

Science is all about TEAMWORK!





THANKS
for your participation.



science
RHYMES