

THE HISTORY OF SCIENCE MEDLEY

It all began in the days of magic, when spirits and incantations were as important as theories and equations. Magic wasn't merely a way to deceive and entertain people at a carnival. It was a way of understanding the immense powers of Nature, powers that dictated nearly every aspect of human life. Magic was a combining of prayer and science, and the outcome was often unexplainably effective.

1. *African Magic*

I want to know. Oh, I want to know. I want to know.
I want to know. Yes, know, yes, know, yes, know. I want to know.

All alive! Spirits in charge, rise!
Moon to Sun, all are One.
Rise!

Then from this need, this open mind that watched the world so closely,
The truth was freed, did slowly rise, and change the course of history.

As knowledge grew of what was true, we gathered great inventions.
We charted time, made facts align, that let us make predictions...

From a world alive with spirits came remedies and treatments made from herbs and roots and plants of every variety. Tools of stone, sharper than steel, were crafted. Spears and bows and arrows were developed. Wild pigs and goats and cattle were caught and tamed. People began to understand the cycle of seasons, the best time to hunt and harvest. They were ready for the next New Epoch in human history: the Invention of Agriculture. Able to live off of planted crops and herds of domestic animals, humankind began to spread into every corner of the globe.

2. *Egyptian Agriculture, Calendar, Arithmetic*

In Sumeria and Babylon, and especially Egypt, agricultural communities blossomed into vast empires. The domestication of the horse and invention of the wheel brought new mobility and trade.

From the flooding Nile we will harvest crops in style.
Agricultural fair is what Egyptians share.

From astronomy, we devised a calendar
To predict the range of each seasonal change.

With arithmetic We learned to add and subtract,
For accounting well, we can buy and sell.

In the ancient world, with the dawn of math and art,
Moving like a wheel, Civilization got its start.

3. *Greek and Roman advancements*

Now the Greeks, men of thought and of logic,
Bring about a new age of great change.
Socrates, Archimedes and Euclid,
Minds that inspire, explain.

Then we build on the shoulders of giants.
Here in Rome, the foundation is laid.
We begin feats of great engineering;
Watch as the way is paved.

For hundreds of years, the Roman Empire continued, constructing thousands of miles of roads and aqueducts that brought fresh water from the mountains to the cities. But the real advancements in science were taking place in the Arabic and Hindu worlds...

4. *Arabian/Indian advancements*

The Persians founded preventative medicine and systematized astronomy. Arabic numbers and the decimal system became the basic "language" of modern mathematics, especially the invention of the number zero...

"I've got it!"

"What? What?"

"Oh, nothing. Nothing."

All this happened as Europe rested in a Medieval mist. An "Age of Faith" held sway over imaginations...

5. *Gregorian (Dark Ages): The Scribe and the Age of Faith*

I lift up mine eyes only unto the heavens,
Never to look upon the Earth.
Yet, some preserve the ancient scientific volumes,
Preparing one day for a new rebirth.

"The Complete Works of Aristotle."

"Ptolemy's Movement of Celestial Bodies."

"The Fundamental Nature of Matter by Democritus."

And in time, the curiosity of mankind was unleashed again, sparking the age of awakening, called, "The Renaissance."

6. *The Renaissance*

Niklas Copernicus redrew the universe
Placing the sun where it did belong.

Controlled experiments of Galileo
Found that the Laws of Nature were strong.

As Leonardo, painting a smile just so,
Sketched a hundred or more inventions.

7. *The Birth of Classical Physics*

Newton sat below a tree, wondering what these Laws could be.
When an apple from the tree fell upon his head.
He discovered gravity, laws of heat and elasticity.
Days of exploration dawned: Light and Knowledge spread.

Newton work on optics, too, the prism and the lens he knew. And
Don't forget poor Benjamin with kite and key electrical.
Monocles and spectacles and clocks and all things practical.
A veritable downpour of inventions came our way..

8. Romantic - Age of Inventions

Then arrived Electricity,
Theories thrived of what this could be.

'Twas the Age of Inventions from Edison to Bell. Alexander Graham Bell.

9. The Modern Age of Science

Einstein, he was to redefine all time.
Einstein, he took a jumbled mess and made rhyme.
Prime time Einstein,
He was to intertwine the old line,
Combine new line;
Einstein, he'll streamline your design,
Refine,
Divine Einstein!

It's Modern Man
Electric driven
It's Modern Man
More power - to - him
It's Modern Man
He's miniaturized
He's computerized
He's ready to - rise
He's changed the face
Of living space

Spinning like a turbine
Lit by neon
We split the atom
And - go - pow!
New transistor man

The new explorer
Near and far

10. The Future

Changes are now coming so fast, we can barely ket, the power of the new technologies makes it more important than ever for us to understand what we are doing!

The Theory of Relativity. $E=Mc^2$. Quantum Mechanics. DNA and Genetic Engineering. Computers and Superconductivity. Space Exploration and Space Travel. Fission and Fusion and Energy Generation...!

Open wide your eyes as we create the future;
Joining, side by side, in a wondrous adventure.

Look how far we've come, more with each generation.
Learning day by day, more with each exploration.

New technologies, new creations to conjure,
New discoveries and new questions to ponder.

We can only guess what the future holds for us.
Will we be prepared? Will we know the right answers?

Open wide your eyes as we create the future;
Joining, side by side, in a wondrous adventure.

We can only guess what the future holds for us.
Will we be prepared? Will we know the right answers?

I want to know. I need to know. Oh, yes, I want to know!