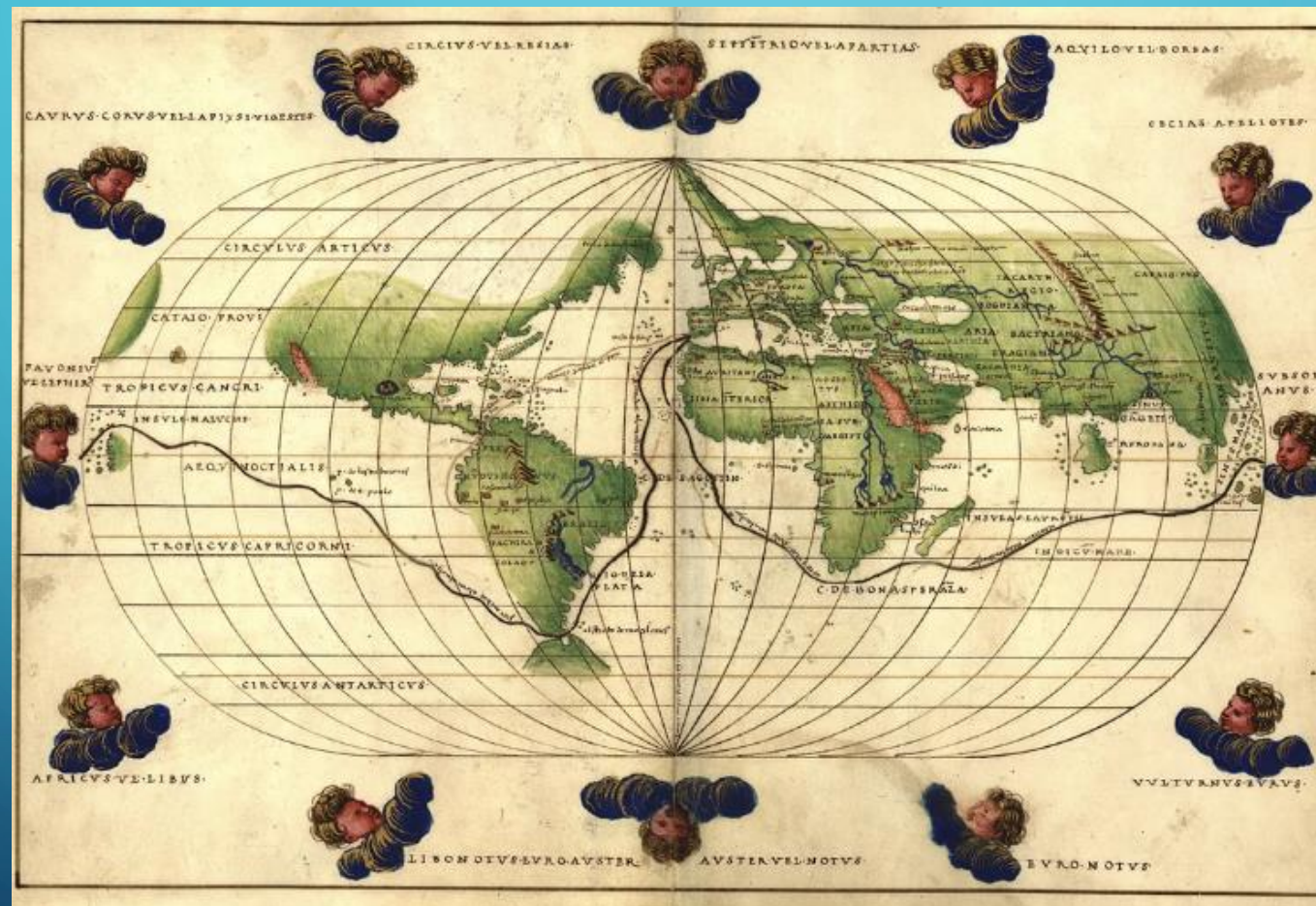


A decorative graphic on the left side of the slide consisting of white lines and circles on a blue gradient background, resembling a circuit board or a stylized tree structure.

WORLDVIEW CLASS

UNIT SCIENCE PART 2- FOUNDATIONS OF SCIENCE

RECAP



This is a cow

This cow is not
me

I exist in the
same world
as the cow

I exist

I can study
this cow

My
observation
senses are
reliable

What I observe
exists in reality, I
can observe it
and communicate
this to my brain

What I
observe in the
past can be
used to
determine my
observations
in the future

The past is
related to
the future
through the
regularity of
nature

Cows possess
“cow-ness”

I possess
“Will-ness”

This remains



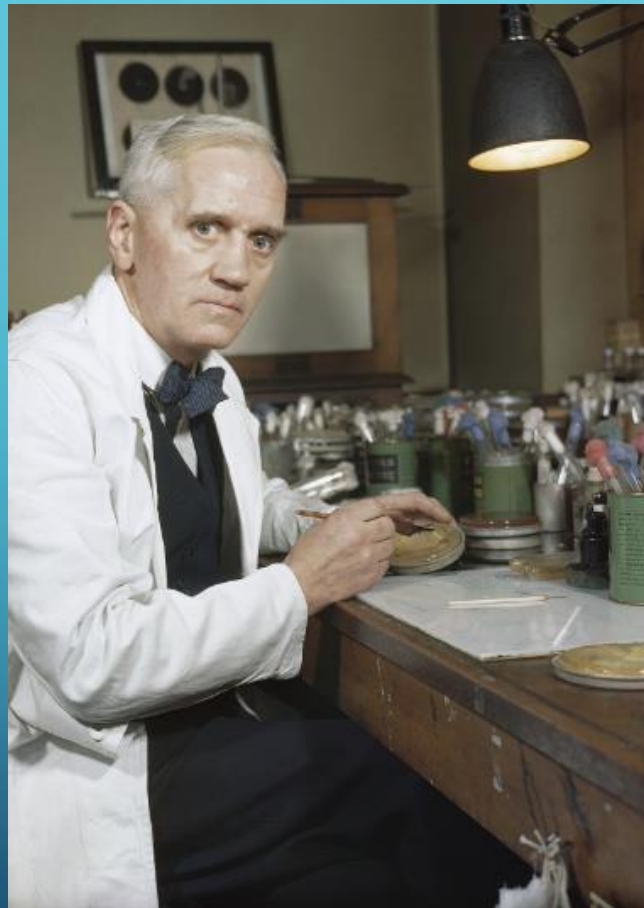
SCHOOL OF ATHENS: FINITE AND SINFUL



CHRISTIANITY AND SCIENCE

- Abraham Kuyper: Christianity (Calvinism) fostered and could not but foster *love for science*.

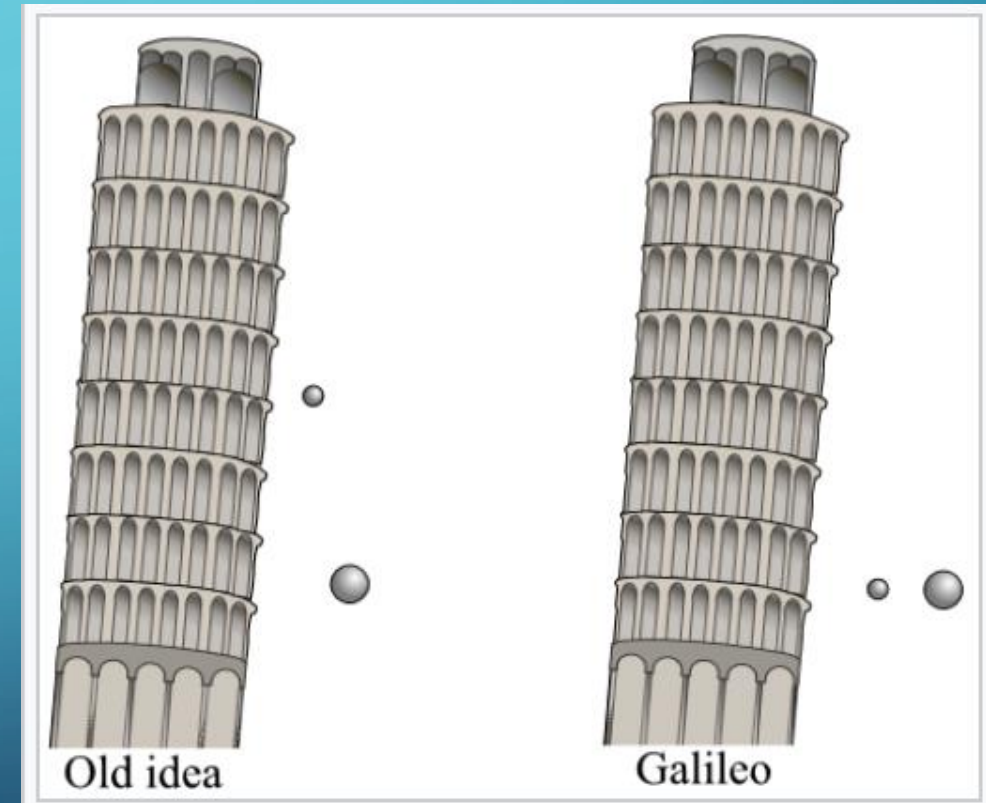
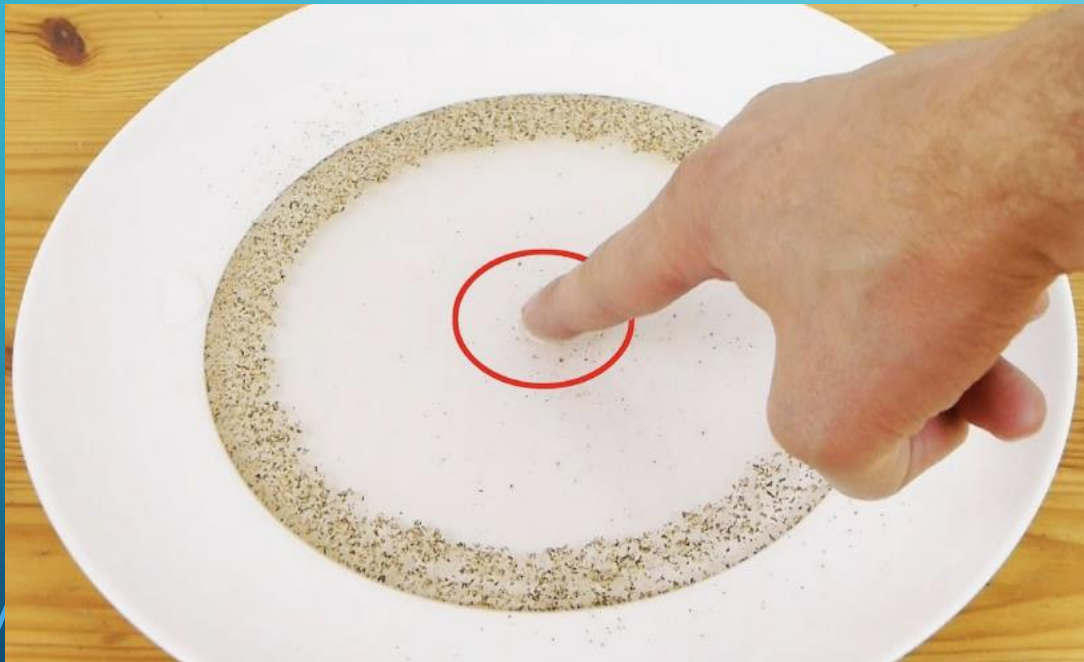
SCIENCE SPOTLIGHT



HERE IS THE SEA, GREAT AND WIDE,
WHICH TEEMS WITH CREATURES INNUMERABLE,
LIVING THINGS BOTH SMALL AND GREAT



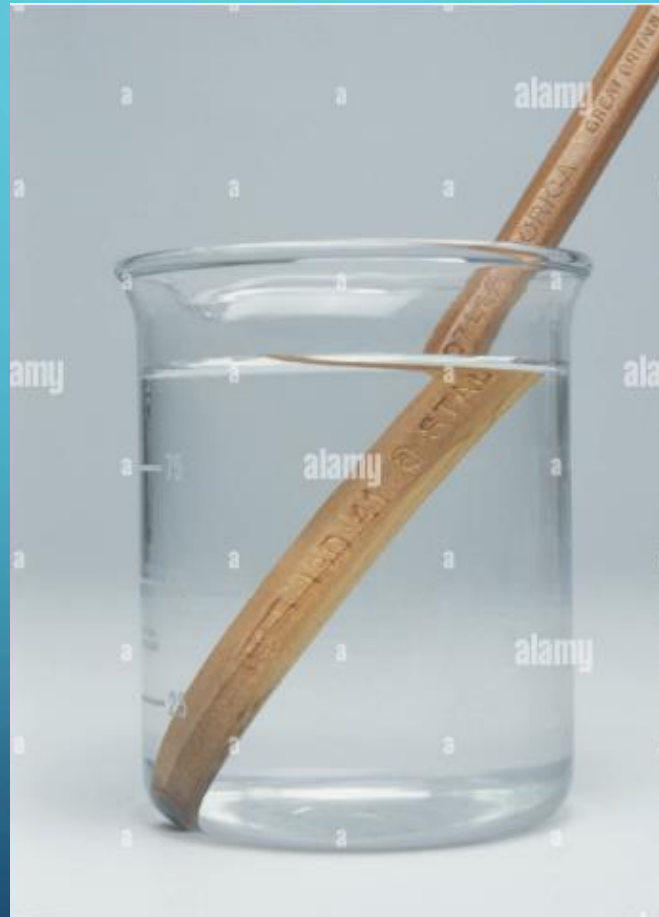
LAWS OF NATURE



PRESUPPOSITIONS OF SCIENCE

- Kuyper: There must be stability and regularity ruling over everything...The entire development of science in our age presupposes a cosmos which does not fall prey to the freaks of chance, but exists and develops from one principle, according to a firm order, aiming at one fixed plan.

RELIABILITY OF SENSE PERCEPTION



SUBJECT AND OBJECT UNITY AND RELATION OF SCIENCE TO THE REAL WORLD

- Van Til: God has adapted the objects to the subjects of knowledge; at the walls of our minds and the laws of the facts coming to fruitful contact with one another is due to God's creative work into his providence.



SUMMARIZE

- 1. Chickens to remain regularity
- 2. Reliable observation of the chicken
- 3. Fruitful relationship between the mind and the chicken and the chicken to the world

CHANCE AND SCIENCE

- Kuyper: Do you abandon this point of view, then it is uncertain at any moment, what is to happen, what course things may take, what every morning and evening may have in store for you, your family, your country, the world at large. Man's capricious will is then the principal concern. Every man may then choose and act every moment in a certain way, but it is also possible that he may do just the reverse. If this were so, you could count upon nothing...And now tell me, what becomes of science under such conditions

SCIENCE ON A CHANCE FOUNDATION

100	48	17	22	64
6	63	100	65	73
32	89	28	43	99
90	91	98	99	28
66	56	38	34	39
45	56	61	44	66
42	4	11	24	71
64	44	97	32	40
27	50	85	77	55
63	48	5	80	55
68	93	8	77	79
50	46	2	33	45
52	9	33	87	98
17	28	73	56	96
65	19	38	98	59
45	64	89	8	61
18	56	76	24	72
64	51	45	60	86
72	29	51	74	49
99	49	92	41	2

WATER BOTTLES FLY V.S WATER BOTTLES DROP?

A: The universe is random and completely ungoverned left to the products of chance

B: The universe is governed by the law of gravity that remains constant and applies universally

C: Gravity applies to Water bottles

Conclusion: Water bottles universally fall at the rate of gravity

WATER BOTTLES FLY V.S WATER BOTTLES DROP

A: The universe is random and completely ungoverned left to the products of chance

B: The universe is not governed by gravity

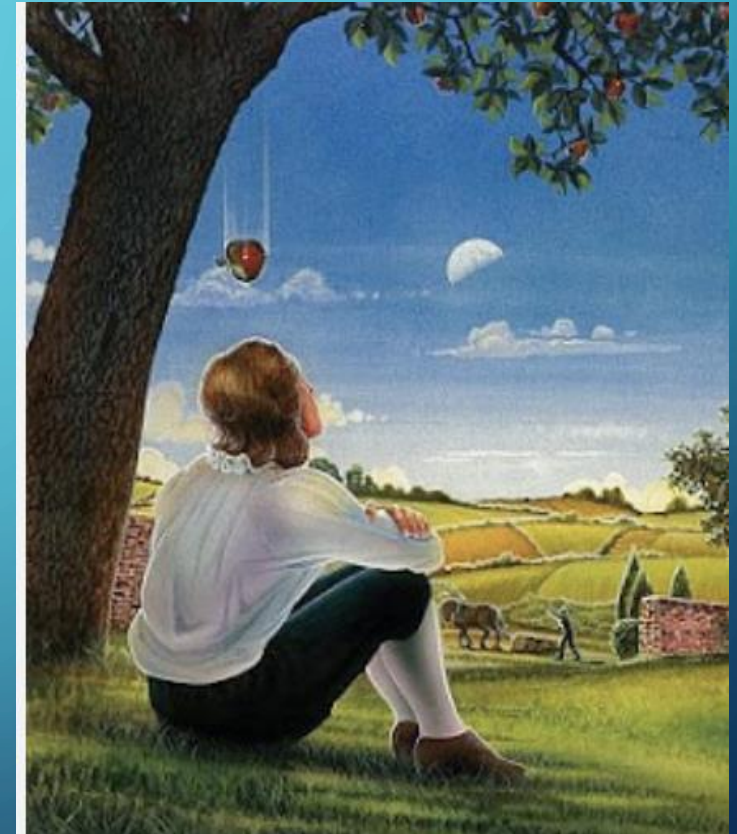
C: Gravity does not remain constant and does not apply universally

D: Gravity may or may not happen or may or may not apply to water bottles

Conclusion: Water bottles may fly or fall

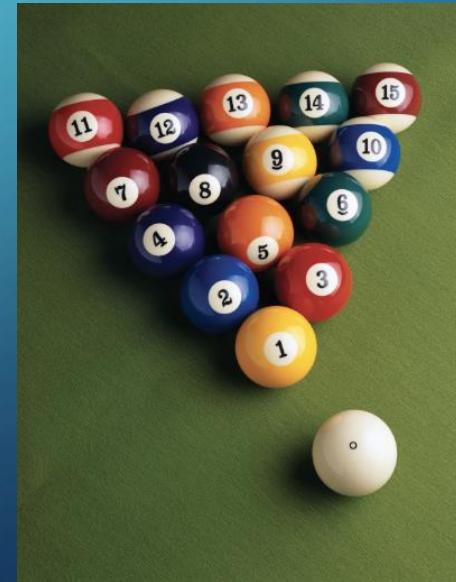
EXAMPLE

- 1. Hypothesis has relevance in the world
- 2. Impossible to exclude a hypothesis
- 3. Impossible to test a hypothesis against another



PROBLEM OF INDUCTION

- Sabine Hossenfelder: “Then how do we know the laws of nature will continue to function tomorrow? We don’t know. The only thing we can do is have faith in the laws of nature. That is what science is ultimately based on. Yes that’s right. Science is ultimately built on faith that the laws of nature will continue to work.”



SCIENCE AND FAITH?

- Kuyper: For all knowledge proceeds from faith of one or another... The man does not exist who believes nothing. At least, one who had no facts to begin with could not find even a starting point for his thinking; and how can the man whose thinking lacks every starting point ever investigate anything scientifically?

SCIENCE AND FAITH?

- CVT: No conflict between science and faith: every science in a certain degree starts from faith.
- Presupposes: faith in self-consciousness, accurate working of our senses, correctness of the laws of thought, something universal behind the special phenomena, life, and knowledge principles.
- “All of life is faith seeking understanding”

TRANSCENDENTAL ARGUMENT





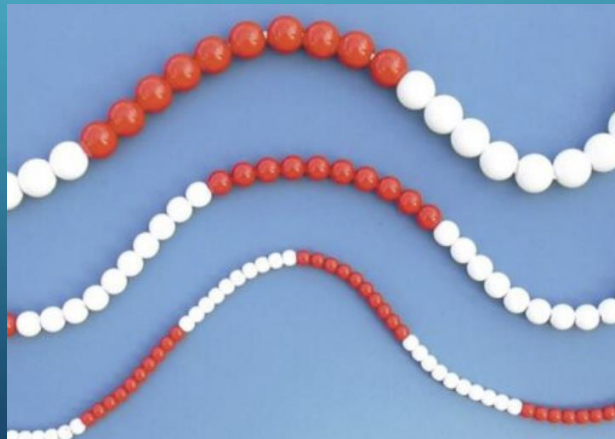
Regularity of nature, reliability of the senses and the mind

Faith in God who orders the world according to His sovereign plan and provides the rationality to study the world by man

Faith in man's mind in a world of chaos

THE DECREE OF GOD

- Ephesians 1:9-11
- CVT: In this decree lies the basis, the unity, and the guarantee of the success of “science.”
- Kuyper: Diametrically opposed to Arminianism



SCIENCE AND FAITH?

- Cornelius Van Til: In general, this should mean that the believer can show the unbeliever that unless the universe which science investigates is what the Christian says it is, then there would be no such thing as science.

If the universe were actually what these men assume it to be according to their principle, there would be no science. Science is possible and actual only because the nonbeliever's principles is not true and the believer's principle is true.

PRESUPPOSITION OF THEISM FOR ATHEISM



ANDERSON: LADDER

- “Repudiating the theological foundations of science is like using a ladder to climb onto the roof of your house, then kicking away the ladder and only reluctantly admitting that you relied on it, insisting instead that you never needed it anyway because you could have just jumped straight onto the roof.”



SCIENCE BELONGS TO GOD!

- CVT: Scientists deal with that which has the imprint of God's face upon it. Created reality may be compared to a great estate. The owner has his name plainly and indelibly written at unavoidable places. How then would it be possible for some stranger to enter this estate, make researches in it, and then fairly say that in these researches he need not and cannot be confronted with the question of ownership?

NEUTRALITY IN SCIENCE?

- Kuyper: Faith in God's Word, objectively infallible in the Scriptures, and subjectively offered to us by the Holy Spirit, behold the line of demarcation.



FOUNDATION LAID, LET'S BUILD!

- Kuyper: “Faith in such an unity, stability and order of things, personally, as predestination, cosmically, as the counsel of God's decree, *could not but awaken as with a loud voice, and vigorously foster love for science.* Without a deep conviction of this unity, this stability and this order, science is unable to go beyond mere conjectures, and only when there is faith in the organic interconnection of the Universe, will there be also a possibility for science to ascend from the empirical investigation of the special phenomena to...the principle, which is dominant over all.”

THE GOSPEL AND SCIENCE

- CVT: Through Christ's work science is saved, its unity is preserved, and its object attained.
- Colossians 1:16-17: ¹⁶ For by him all things were created, in heaven and on earth, visible and invisible, whether thrones or dominions or rulers or authorities—all things were created through him and for him. ¹⁷ And he is before all things, and in him all things hold together.

THROUGH CHRIST, THE OBJECT ATTAINED

- Cornelius Van Til: Well I have been dreaming too. I saw a large group of scientists, Christians all, working in so many fields of science. All of them were epistemologically self-conscious. Having been taken out of the cave of sin by the power of the Holy Spirit, they saw and described the facts of the universe for what they really are, God-created and God-controlled.

CHRISTIANITY AND SCIENCE

- Abraham Kuyper: Christianity (Calvinism) fostered and could not but foster *love for science*.
- Solid foundation to build scientific discovery upon and give glory to God

THIS IS MY FATHER'S WORLD

This is my Father's world,
And to my listening ears
All nature sings, and round me rings
The music of the spheres.
This is my Father's world:
I rest me in the thought
Of rocks and trees, of skies and seas--
His hand the wonders wrought.

This is my Father's world:
The birds their carols raise,
The morning light, the lily white,
Declare their Maker's praise.
This is my Father's world:
He shines in all that's fair;
In the rustling grass I hear Him pass,
He speaks to me everywhere.