



Survey of Catholic High School Science Teachers

Name of High School: _____

City and State: _____

The Classroom

What subjects (at any level) do you teach this year? [Check all that apply]

- 1. General science, scientific methods
- 2. Biology
- 3. Chemistry
- 4. Physics
- 5. Earth science
- 6. Environmental science
- 7. Other science, specify: _____
- 8. Other, specify: _____

What are the grade level(s) of the students you teach? [Check all that apply]

- 1. 9th Grade
- 2. 10th Grade
- 3. 11th Grade
- 4. 12th grade

Does your school try to integrate the teachings of the Catholic Church, in some way, in all academic classes?

- 1. Not at all
- 2. A little
- 3. Somewhat
- 4. Very much

Does your school try to integrate the sciences, in some way, in all academic classes?

- 1. Not at all
- 2. A little
- 3. Somewhat
- 4. Very much



How often, if at all, do students ask you questions about the relationship between the Catholic faith and science...

...In class

- 1. Never
- 2. Rarely
- 3. A few times a year
- 4. At least once a month
- 5. At least once a week

...Outside of class

- 1. Never
- 2. Rarely
- 3. A few times a year
- 4. At least once a month
- 5. At least once a week

How much do you agree with the following statements?

	Agree strongly	Agree somewhat	Neither agree nor disagree	Disagree somewhat	Disagree strongly
Students in my classes have no trouble reconciling their faith with science.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The school curriculum helps students reconcile perceived conflicts between Catholicism and science.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
My class(es) helps students reconcile perceived conflicts between Catholicism and science.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
There is a perception in my local community that Catholic schools do not teach science.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Do you consider your school to be a campus where some combination of science, technology, religion, engineering, the arts, and/or math are taught cohesively in one curriculum?

- 1. Yes
- 2. No



In science classes at your school is the work of the following Catholic scientists discussed...

Yes No

- 1. Nicolaus Copernicus, Galileo Galilei, and the heliocentric view
- 2. Georges Lemaître and the proposal of the Big Bang
- 3. Gregor Mendel, heredity, and the creation of genetics
- 4. Louis Pasteur and discoveries in germ theory, pasteurization, and vaccination
- 5. Georgius Agricola, persecuted Catholic scientist in Lutheran Saxony, father of mineralogy
- 6. André-Marie Ampère, one of the founders of electromagnetism, inventor of solenoid
- 7. René Descartes, philosopher of science and mathematician
- 8. Enrico Fermi creator of the first nuclear reactor and “architect of the nuclear age”
- 9. Jean Baptiste Dumas, chemist who developed methods to determine atomic weights
- 10. Guglielmo Marconi, inventor of radio and wireless technologies
- 11. William of Ockham, Franciscan Friar who developed Ockham’s Razor
- 12. Pierre Teilhard de Chardin, SJ, paleontologist who took part in discovery of Peking Man

How often do you have meetings with other science teachers to discuss and plan curriculum or teaching approaches?

- 1. Never
- 2. Once or twice a year
- 3. Every other month
- 4. Once a month
- 5. Once a week or more often

As a science teacher how much influence do you have on each of the following in your classes...

	None at all	A little	Some	Very Much
Subject matter taught	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Textbooks used	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Budget for supplies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Which supplies are purchased	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



In your science lessons, how often do you usually ask students to do the following?

	Never or almost never	Some lessons	Most lessons	Every lesson
Relate scripture and the teachings of the Church to everyday life	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Learn concepts about environmental justice as outlined in Pope Francis' encyclical <i>Laudato si'</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Address the problem of evil in relation to everyday news	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Relate science to the Church's understandings of creation and origin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Personal Beliefs

Which of the following comes closest to describing your belief in God?

- 1. I believe in God and have no doubt of God's existence.
- 2. I believe in God but sometimes have doubts that God exists.
- 3. I believe in God but have frequent doubts that God exists.
- 4. I do not believe in God but still believe it is possible that God may exist.
- 5. I do not believe in God. I am entirely sure God does not exist.

Which of the following comes closest to your personal beliefs about the Bible?

- 1. The Bible is the actual word of God and is to be taken literally, word-for-word.
- 2. The Bible is the inspired word of God, without errors, but some parts are meant to be symbolic.
- 3. The Bible is the inspired word of God and contains some factual or historical errors.
- 4. The Bible is not inspired by God but tells how the writers of the Bible understood the ways and principles of God.
- 5. The Bible is just another book of teachings written by men containing stories and advice.

The next series of questions focus on your beliefs about topics in which science and religion intersect.

How much do you agree with the following statement based on current science: The universe, as we know it, began with a large, explosive event, often called the "Big Bang" about 13.8 billion years ago.

- 1. Agree strongly
- 2. Agree somewhat
- 3. Neither agree nor disagree
- 4. Disagree somewhat
- 5. Disagree strongly



Which of the following statements do you most agree with?

- 1. The Big Bang, as science describes it occurring 13.8 billion years ago, is the moment described in the Book of Genesis in the Bible when God created the universe and its contents.
- 2. The Big Bang has a natural explanation that does not involve God.
- 3. God created the universe, including Earth, most likely within the last 10,000 years, as described in the Book of Genesis in the Bible in six 24-hour days.
- 4. None of the above
- 5. Don't know

How much do you agree with the following statement based on current science: Humans and other living things genetically evolved over time in response to changes in the environment through natural selection where the fittest survived and passed on their genes to their offspring. This led to the great diversity of lifeforms, including humans, here on Earth.

- 1. Agree strongly
- 2. Agree somewhat
- 3. Neither agree nor disagree
- 4. Disagree somewhat
- 5. Disagree strongly

In the list below, select the three expressions that you think are most strongly associated with the origins of humans:

- 1. Adam and Eve
- 2. Australopithecus
- 3. Creation
- 4. Evolution
- 5. God
- 6. Natural Selection

How much do you agree with the following statements?

Globally, temperatures on Earth are getting warmer, on average, in response to higher concentrations of heat-trapping greenhouse gasses like carbon dioxide and methane.

- 1. Agree strongly
- 2. Agree somewhat
- 3. Neither agree nor disagree
- 4. Disagree somewhat
- 5. Disagree strongly

Increasing concentrations of heat-trapping greenhouse gasses in our atmosphere like carbon dioxide and methane are largely a result of human activity as a result of industrial activity, transportation, as well as energy and food production.

- 1. Agree strongly
- 2. Agree somewhat
- 3. Neither agree nor disagree
- 4. Disagree somewhat
- 5. Disagree strongly



Do you believe God has played a role in the changes observed to Earth's climate in recent years?

- 1. Yes
- 2. No
- 3. Don't know

How much do you agree with the following statements?

	Agree strongly	Agree somewhat	Neither agree nor disagree	Disagree somewhat	Disagree strongly
There are unresolvable conflicts between science and religion.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The story of creation in the Bible is a sacred narrative and not meant to communicate the reality that science has described.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If science finds evidence of life elsewhere in the universe, this would be incompatible with the teachings of my faith.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Science is capable of providing answers to big questions, such as how the universe was created and how human life began.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Science can help us make moral judgements.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The order and harmony seen in observing the universe and interpreted as "laws of nature" are reflective of a creator's will and hand.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Science needs religion to understand complete truth.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
While science has provided benefits it should also be held responsible for the pain and suffering caused by things like nuclear, chemical, and biological weapons or unethical experimentation on human beings.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Which of the following statements best agrees with your belief about the Eucharist/Holy Communion in the Catholic Church?

- 1. Jesus Christ is really present in the bread and wine of the Eucharist.
- 2. Bread and Wine are symbols of Jesus, but Jesus is not really present.

Do you believe that Adam and Eve, the first humans, were real, historical people?

- 1. Yes
- 2. No
- 3. Don't know

What is your perception of any conflict between science and each of these faiths?

	None	A liitle	Somewhat	Very much
Catholicism	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Evangelical Protestantism or Christianity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mainline Protestantism or Christianity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Orthodox Christianity (e.g., Greek, Russian)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The Church of Jesus Christ of Latter-day Saints (Mormons)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Judaism	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Islam	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Buddhism	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hinduism	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Demographics and Background

_____ **Total number of years you have taught high school anywhere.**

What is your highest level of education completed?

- 1. Associate's degree
- 2. Bachelor's degree
- 3. Bachelor's degree and teaching certificate or license
- 4. Graduate courses, no degree
- 5. Master's degree
- 6. Ph.D./Ed.D.

Your degree(s) are in... [Check all that apply]

- 1. Science
- 2. Theology or religion
- 3. Education or teaching
- 4. Other, specify: _____

_____ **Year you were born.**



What is your race and/or ethnicity?

- 1. Non-Hispanic white
- 2. Hispanic or Latino
- 3. Black or African American
- 4. Asian or Pacific Islander
- 5. American Indian or Native Alaskan
- 6. Other, specify: _____

Are you...

- 1. Male
- 2. Female

What is your religious preference?

- 1. Catholic (Roman Catholic)
- 2. Orthodox Christian (e.g., Greek, Russian)
- 3. Mormon (Church of Jesus Christ of Latter-day Saints)
- 4. Protestant or other Christian
- 5. Jewish (Judaism)
- 6. Muslim (Islam)
- 7. Buddhist (Buddhism)
- 8. Hindu (Hinduism)
- 9. No religious affiliation
- 10. Agnostic
- 11. Atheist
- 12. Other, specify: _____

What religion, if any, were you raised in?

- 1. Catholic (Roman Catholic)
- 2. Orthodox Christian (e.g., Greek, Russian)
- 3. Mormon (Church of Jesus Christ of Latter-day Saints)
- 4. Protestant or other Christian
- 5. Jewish (Judaism)
- 6. Muslim (Islam)
- 7. Buddhist (Buddhism)
- 8. Hindu (Hinduism)
- 9. No religious affiliation
- 10. Agnostic
- 11. Atheist
- 12. Other, specify: _____

Did you ever attend... [Check all that apply]

- 1. Catholic elementary school
- 2. Catholic middle school or junior high
- 3. Catholic high school
- 4. Catholic college or university
- 5. Catholic seminary



Aside from weddings and funerals, about how often do you attend religious services?

- 1. Rarely or never
- 2. A few times a year
- 3. Once or twice a month
- 4. Almost every week
- 5. Every week
- 6. More than once a week

How important, if at all, were the following in your decision to teach at a Catholic school?

- 1. Hearing a calling from God to teach at a Catholic school
- 2. I view teachings as a ministry in the Catholic Church
- 3. My commitment to Catholic education and its mission
- 4. Being a part of my Catholic community
- 5. Opportunity to witness to my Catholic faith

Thank you for your assistance.

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