

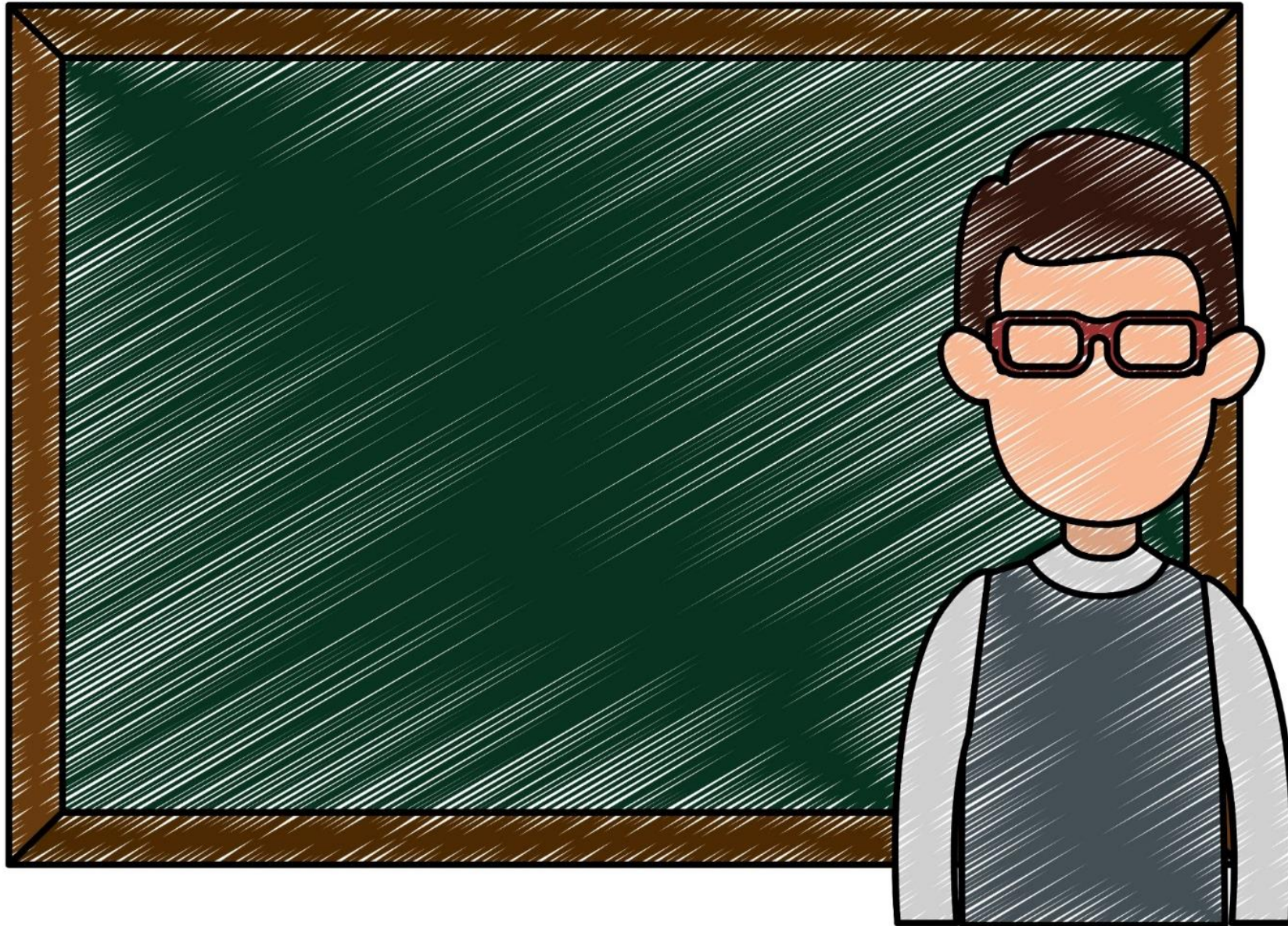
Using Imagery to Spark Active Learning



What will your students remember in five years?



David Braun's Philosophy of Mind Class



John Searle's Chinese Room Thought Experiment





中

国

文

字

华

百

九

情

江

不

具

土

介

灵

田

住巴

妈妈

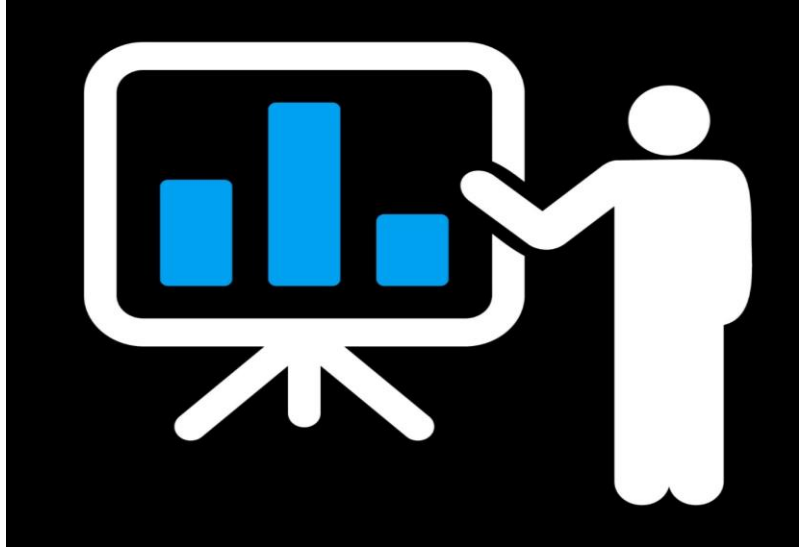
以

妈

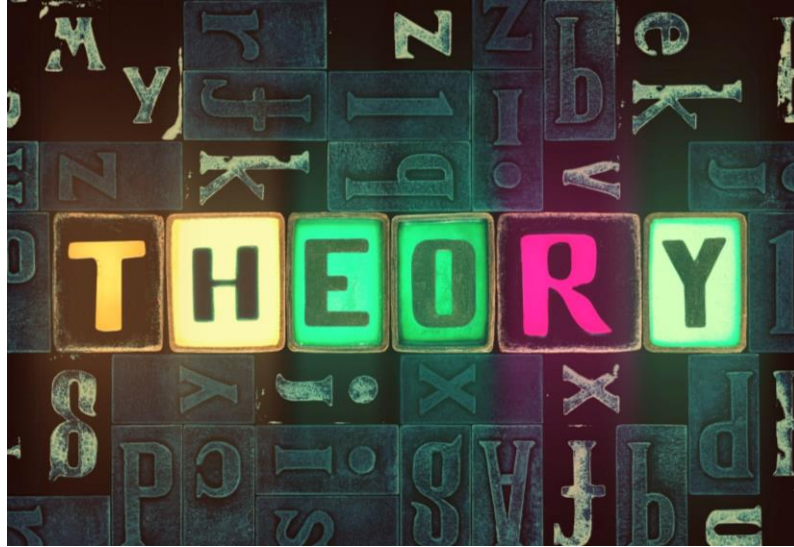
上



1



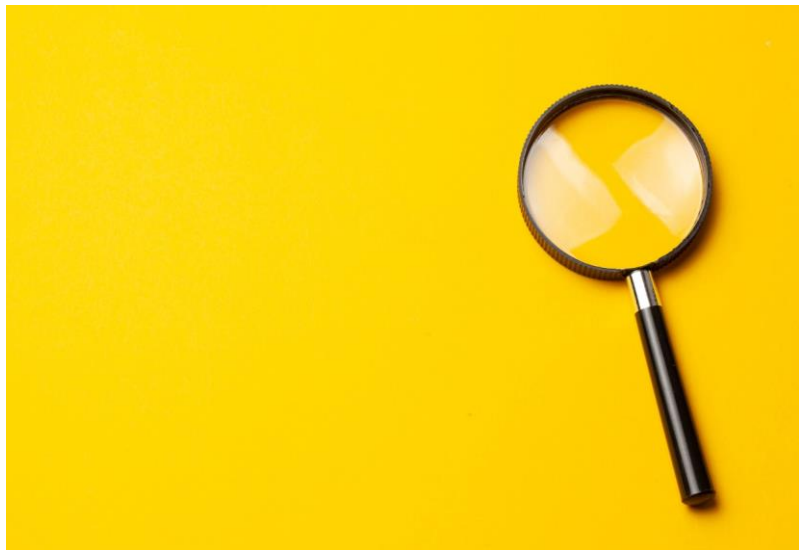
2



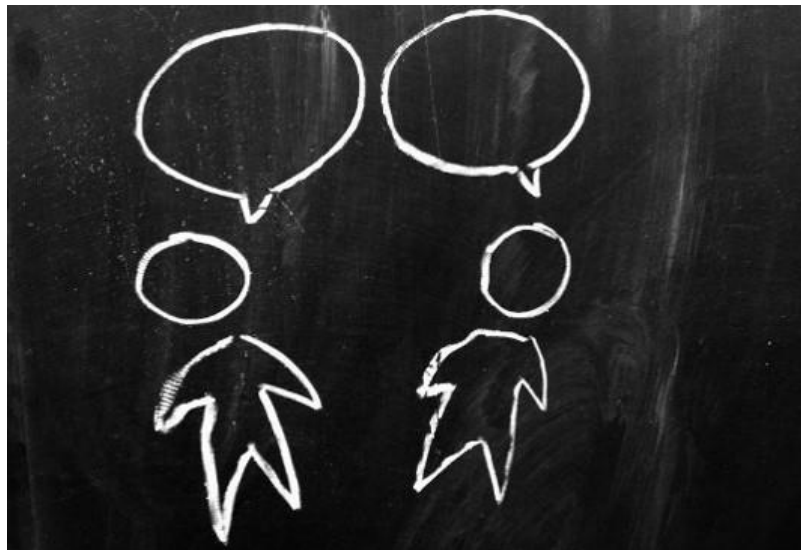
3



4



5



6



The key to good teaching...

tight organization...



... but loose delivery



The key to good teaching...

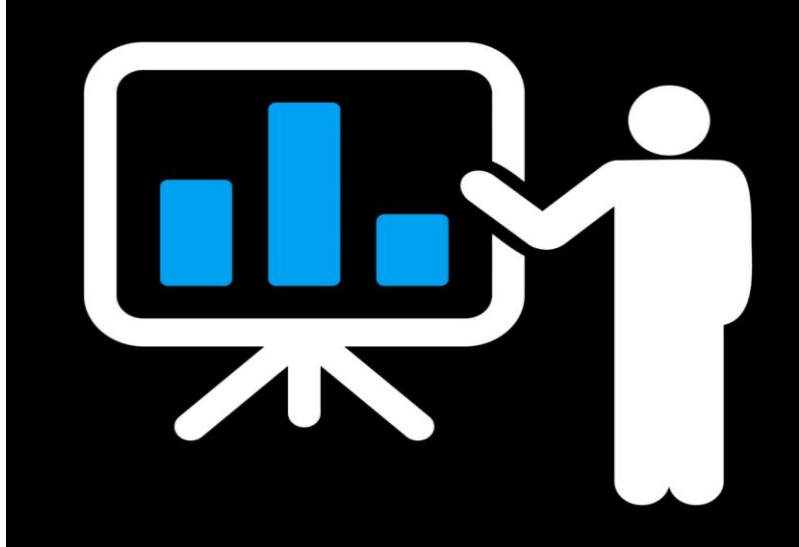
Teach from the head...



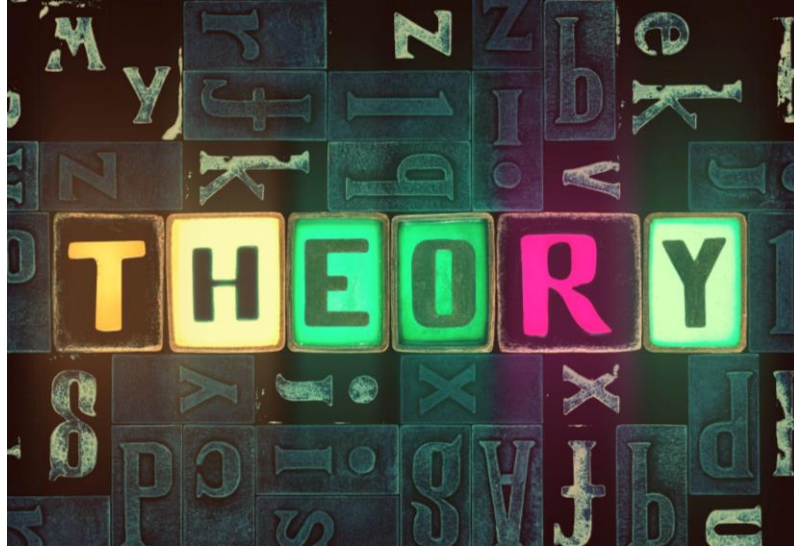
... heart and gut.



1



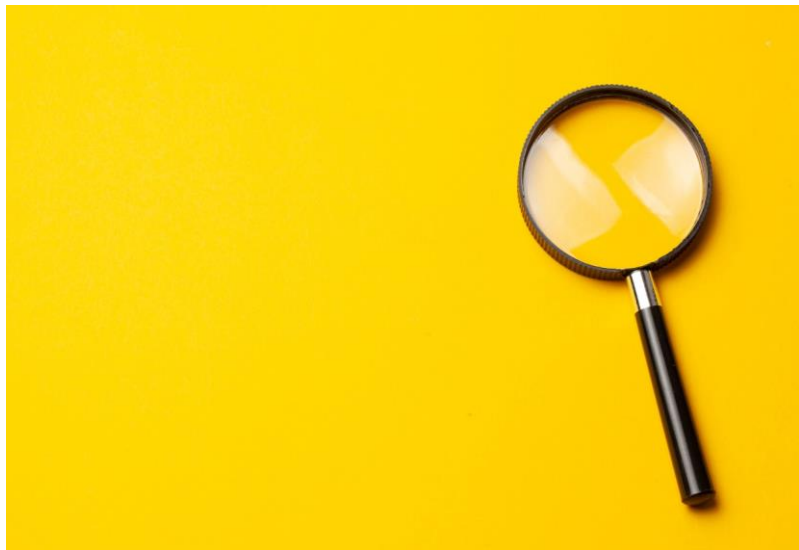
2



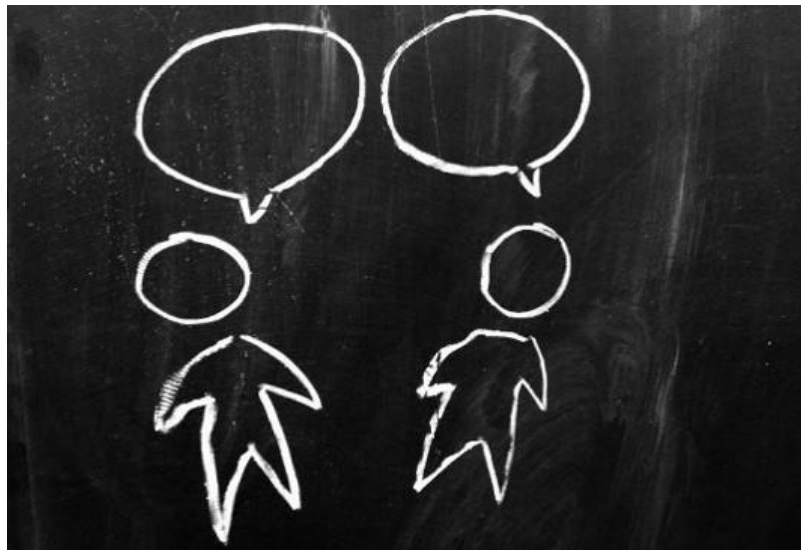
3



4



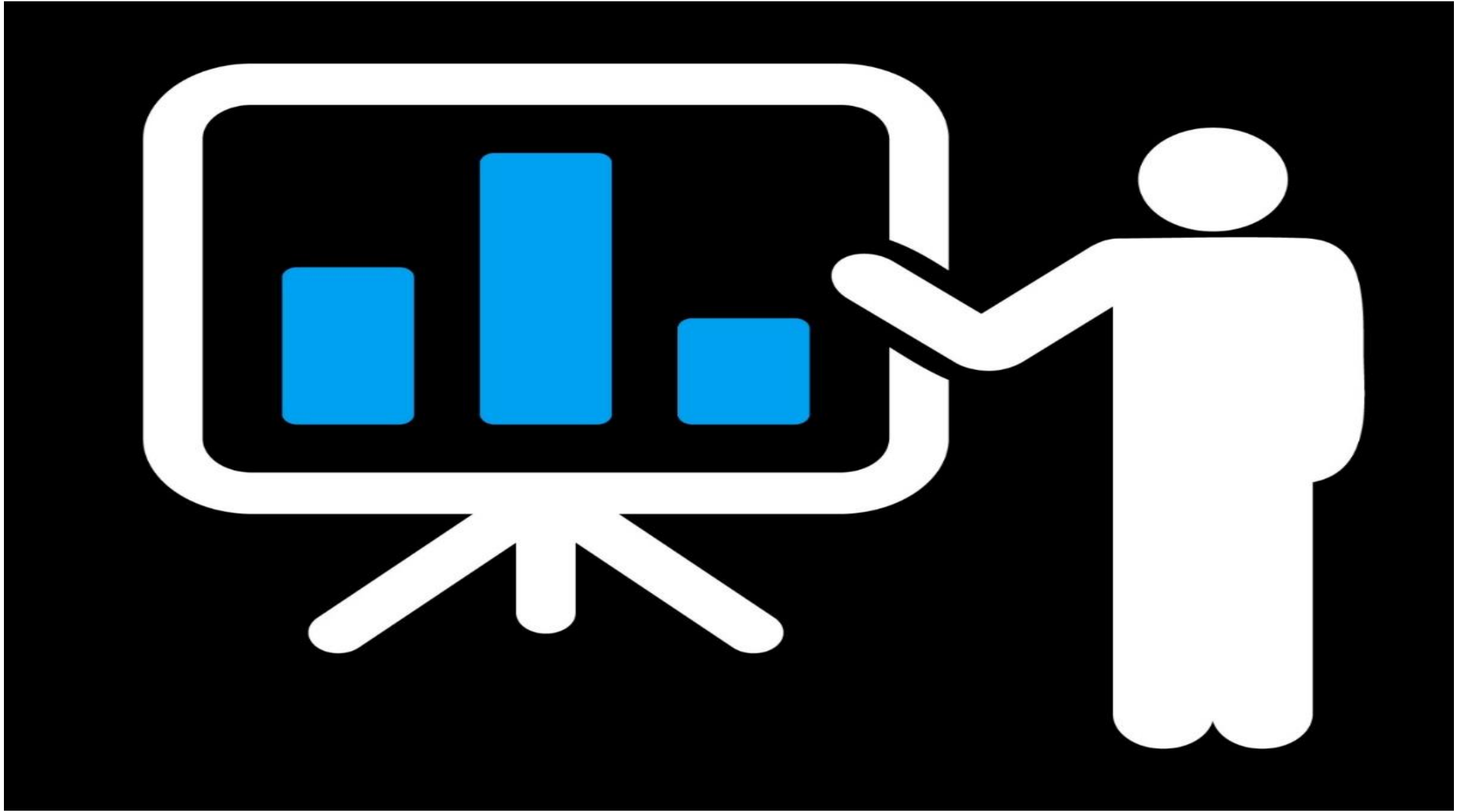
5



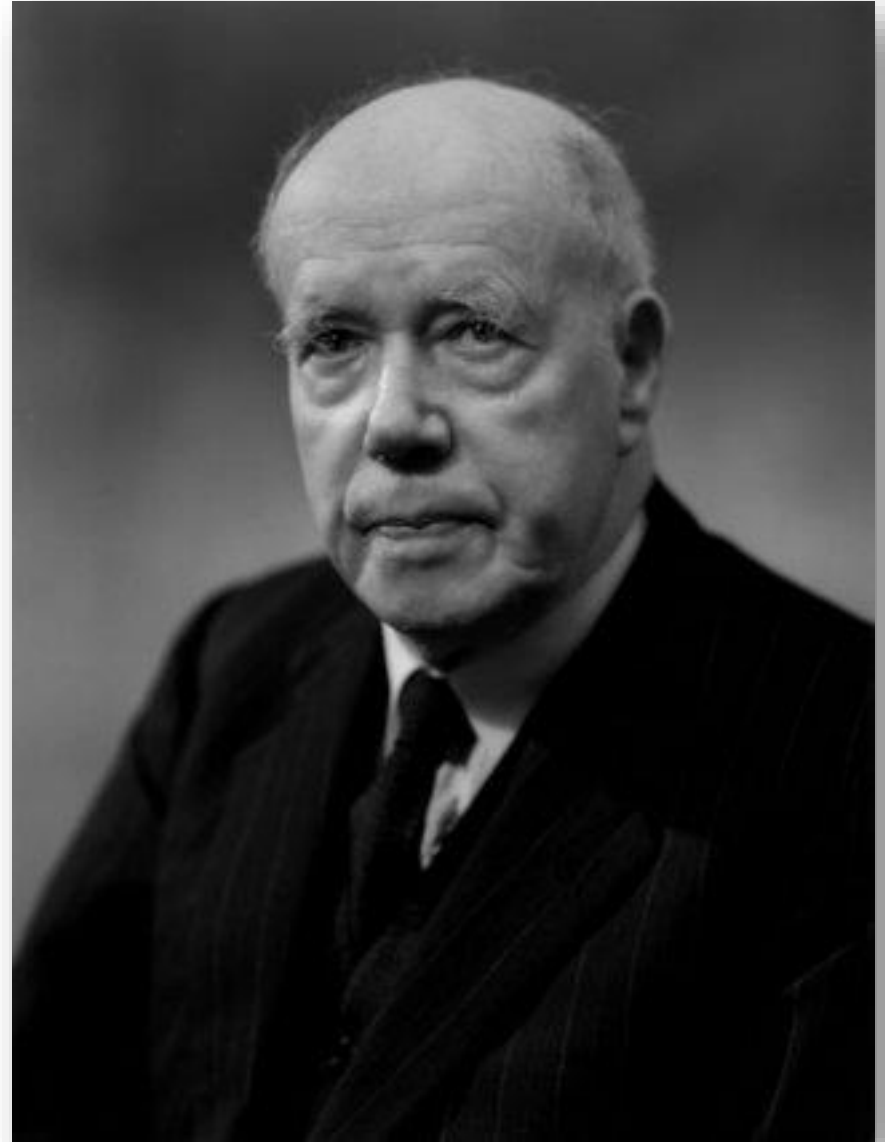
6



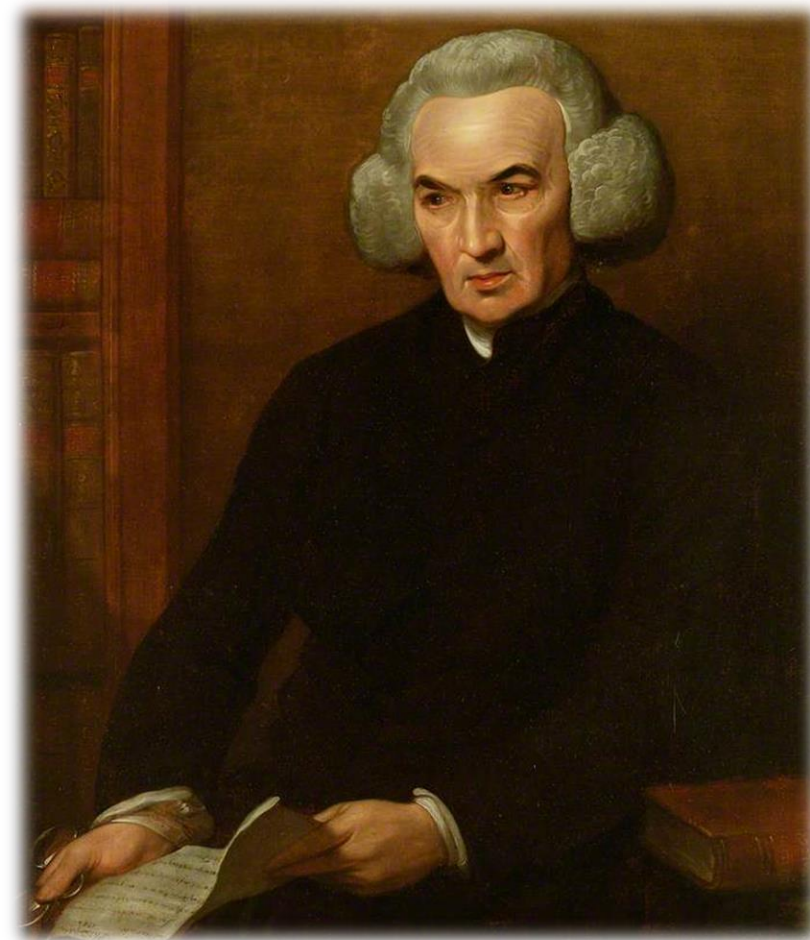
Teaching Demonstration



W. D. Ross:
Ethical
Intuitionist



“... INTUITION; by which I mean **the mind’s survey of its own ideas, and the relations between them,** and the notice it takes of what is or is not true and false, consistent and inconsistent, possible and impossible in the nature of things. It is to this... we owe our beliefs of **self-evident** truths.” –*A Review of the Principal Questions in Morals* (1758)



Richard Price

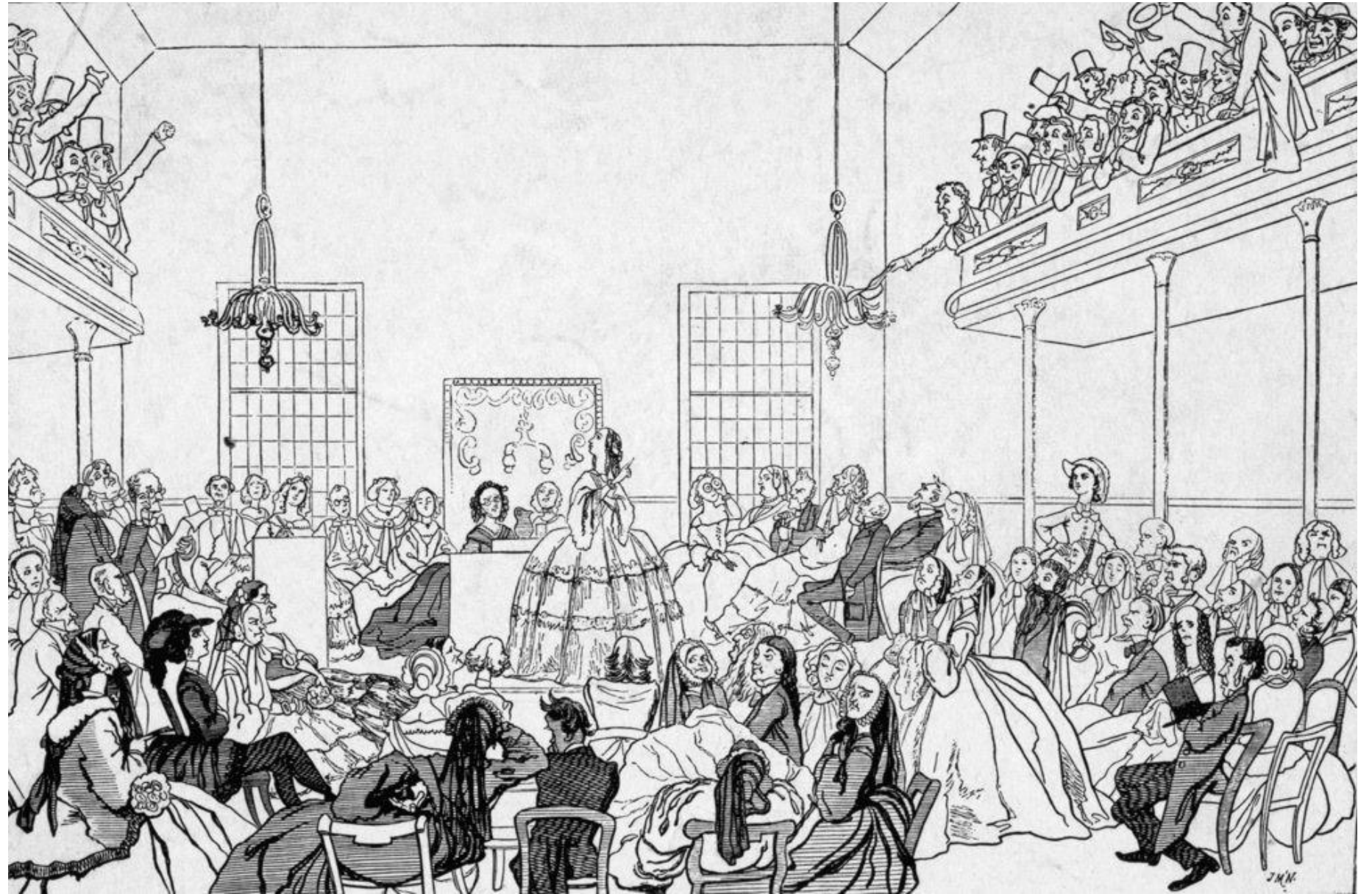
The unanimous Declaration of the thirteen united States of America.

When in the Course of human Events, it becomes necessary for one People to dissolve the political Bands which have connected them with another, and to assume among the Powers of the Earth, the separate and equal Station to which the Laws of Nature and of Nature's God entitle them, a decent Respect to the Opinions of Mankind requires that they should declare the causes which impel them to this Separation.

"We hold these truths to be self-evident, that all men are created equal, that they are endowed by their Creator with certain unalienable Rights, that among these are Life, Liberty and the pursuit of Happiness."

Signature block of the delegates, including John Hancock, John Adams, and others, with the date '1776' and the location 'Charles Towne'.

Seneca Falls Convention (1848)



convention
motto

Where in the course of human events, it becomes necessary for one people to dissolve the political bands which have connected them with another, and to assume among the powers of the earth, the separate and equal station to which the Laws of Nature and of Nature's God entitle them, a decent respect to the opinions of mankind requires that they should declare the causes which impel them to the separation. — We hold these truths to be self-evident, that all men are created equal, that they are endowed by their Creator with certain unalienable Rights, that among these are Life, Liberty and the pursuit of Happiness. — That to secure these rights, Governments are instituted among Men, deriving their just powers from the consent of the governed. — That whenever any Form of Government becomes destructive of these ends, it is the Right of the People to alter or to abolish it, and to institute new Government, laying its foundation on such Principles and organizing its Powers in such Form, as to them shall seem most likely to effect their Safety and Happiness. Prudence in the long course of human events, should not be changed for light and transient causes; and accordingly all experience hath shewn, that mankind are more disposed to suffer, while evils are sufferable, than to right themselves by abolishing the forms to which they are accustomed. But when a long train of abuses and usurpations, pursuing invariably the same Object, evinces a design to reduce them to absolute Despotism, it is their right, it is their duty, to throw off such Government, and to provide new Guards for their future security. — Such has been the patient Sufferance of these Colonies; and such is now the necessity which constrains them to alter their former Systems of Government. The history of the present

and women

that all men are created equal,

— He has dissolved Representative Houses repeatedly, for opposing with manly firmness his invasions on the rights of the People. — He has endeavoured to bring us to the point of bayoneting our Representatives, to cause others to be elected; whereby his Legislative Powers, incapable of Annihilation, have returned to the People at large for their exercise, and the States, in order to meet the danger of invasion from without, and convulsions within. — He has endeavoured to prevent the Population of these States; for that purpose prohibiting the Importation of Foreigners; refusing to pass others to encourage their migrations hither, and raising the conditions of new Appropriations of Lands. — He has refused his Assent to Laws for establishing Judiciary Powers. — He has made Judges dependent on his Will alone, for the tenure of their Offices. — He has erected a multitude of New Offices, and sent hither swarms of Officers to harass our People, and eat out their Substance. — He has kept standing Armies without the Consent of our Legislature. — He has affected to render the Military independent of and superior to the Civil Power. — He has endeavoured to bring us into a jurisdiction foreign to our Constitution, and unacknowledged by our Laws; giving his Assent to their Claims of pretended Legislation: — For quarantining our Ships, — For detaining them, by a mock Trial, from Punishment, for any Murders which they should commit on the Inhabitants of these States: — For imposing Taxes on us without our Consent: — For depriving us in many cases of the benefits of Trial by jury: — For transporting large Numbers of us to distant Parts of the Globe, — For abolishing the Benign System of English Laws in a neighbouring Province, establishing therein an Arbitrary government, and enlarging its Extent, and put instrument for introducing the same absolute Despotism into these Colonies: — For taking away our Charters, abolishing our most valuable and ancient Rights of Englishmen: — For suspending our own Legislatures, and declaring themselves invested with Power to legislate for us in all Cases whatsoever. — He has plundered our Seas, ravaged our Coasts, burnt our Towns, and laid waste our most fertile Fields, — He has transported large Armies of foreign Mercenaries to complete the works of death, desolation and tyranny, already begun with circumstances of Cruelty, and Opprobrium, hitherto unknown in the History of civilized Nations: — He has constrained our fellow Citizens taken Captive on the high Seas to bear

**“All humans are
created equal.”**

Is that self-
evident?




1. Either humankind is created or there is a plausible alternative explanation for the existence of humankind.
2. It is not the case that there is a plausible alternative explanation for the existence of humankind.
3. Therefore, humankind is created.

1. Either humankind is created or there is a plausible alternative explanation for the existence of humankind.
- ✗ 2. It is not the case that there is a plausible alternative explanation for the existence of humankind.
3. Therefore, humankind is created.



Self-evident Claims

- not derived from other claims

not self-evident 
$$\frac{\text{IF P, THEN Q}}{\text{P}} \text{ THEREFORE, Q}$$

Is the second claim self-evident? Why or why not?



Animal Farm (1954)

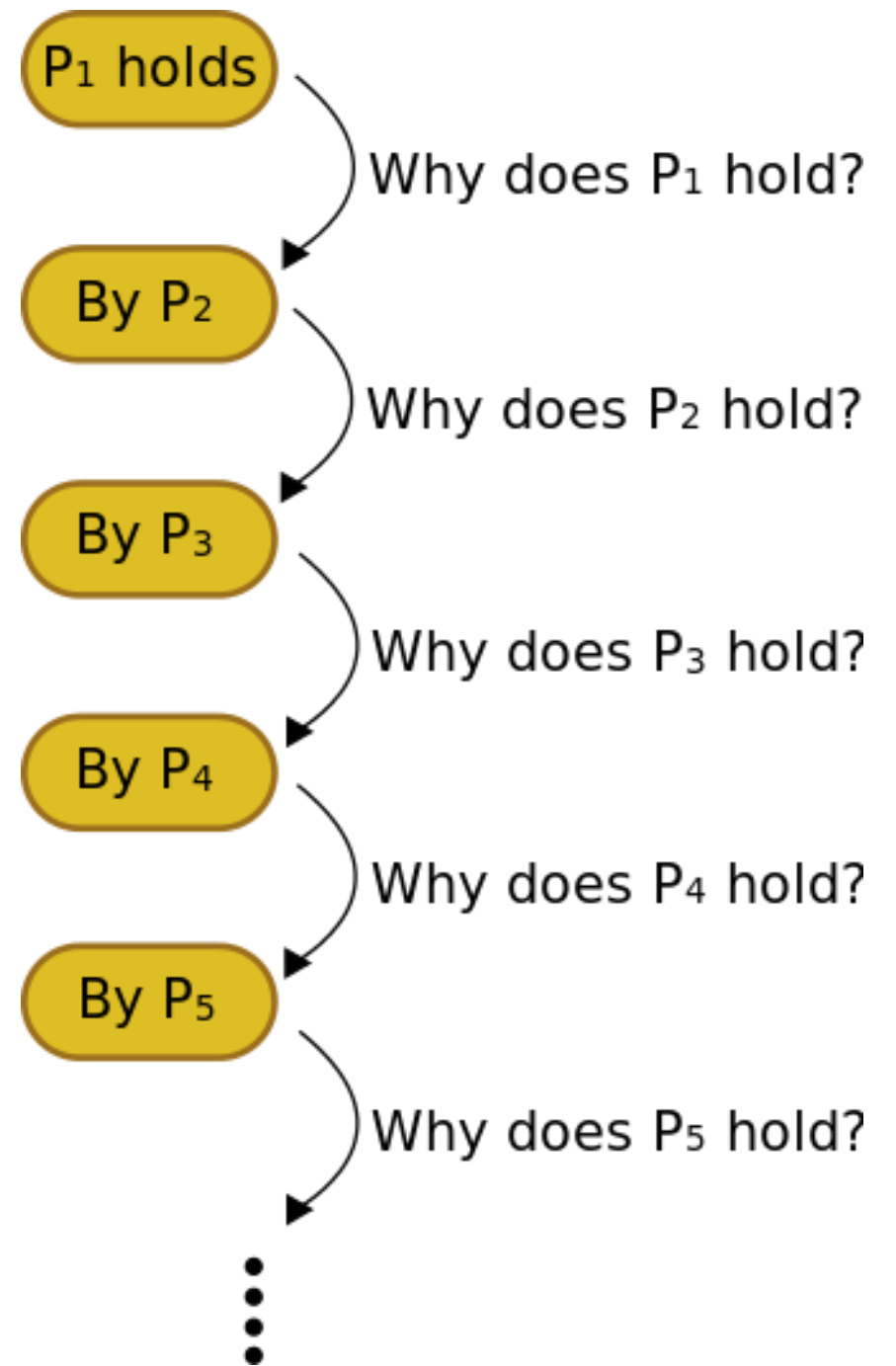
Self-evident Claims

- not derived from other claims
- not perceived as false by those who *really* understand them

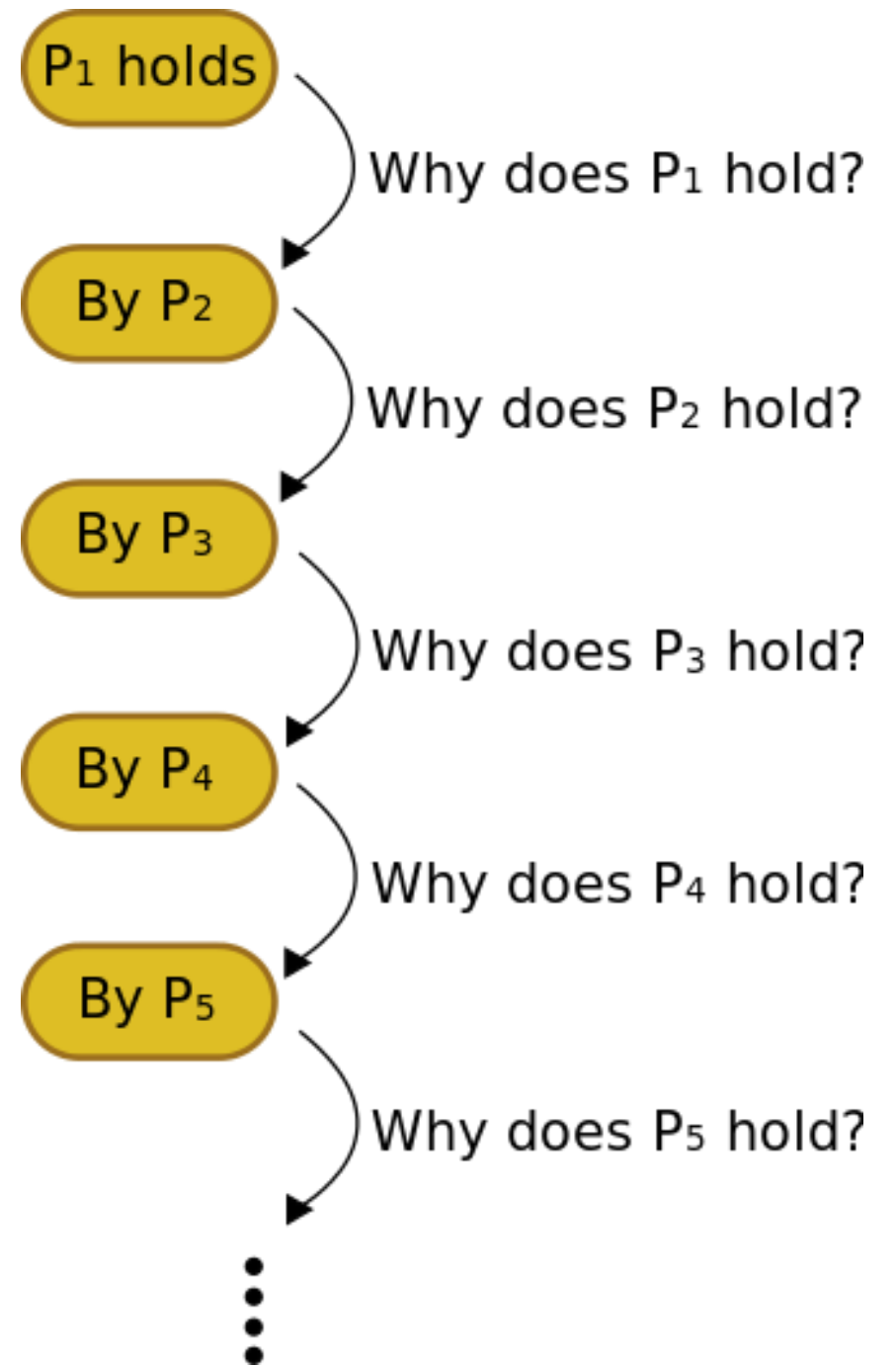
Self-evident Claims

- not derived from other claims
- not perceived as false by those who *really* understand them
- instead, **perceived as true by those who *really* understand them**
- Example 1: No one can be more equal than another.
- Example 2: The fact that one has made a promise to do an action counts as a moral reason for doing that action.

Why think that
some claims are
self-evident?



Self-evident claims seem to be needed to avoid an infinite regress of justification.

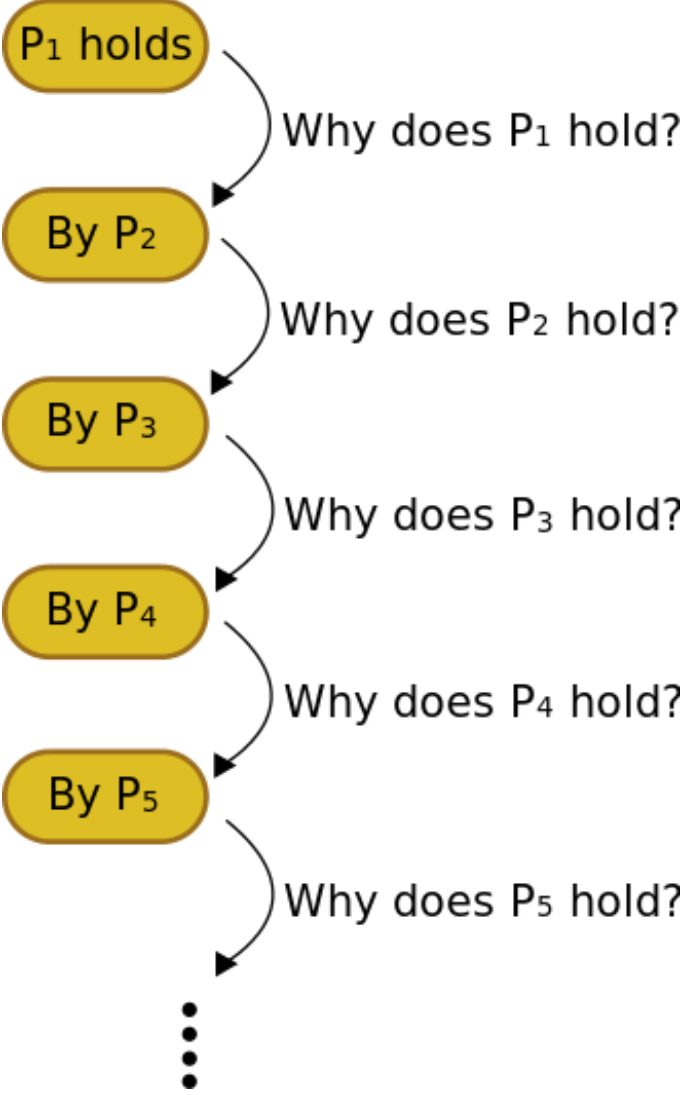


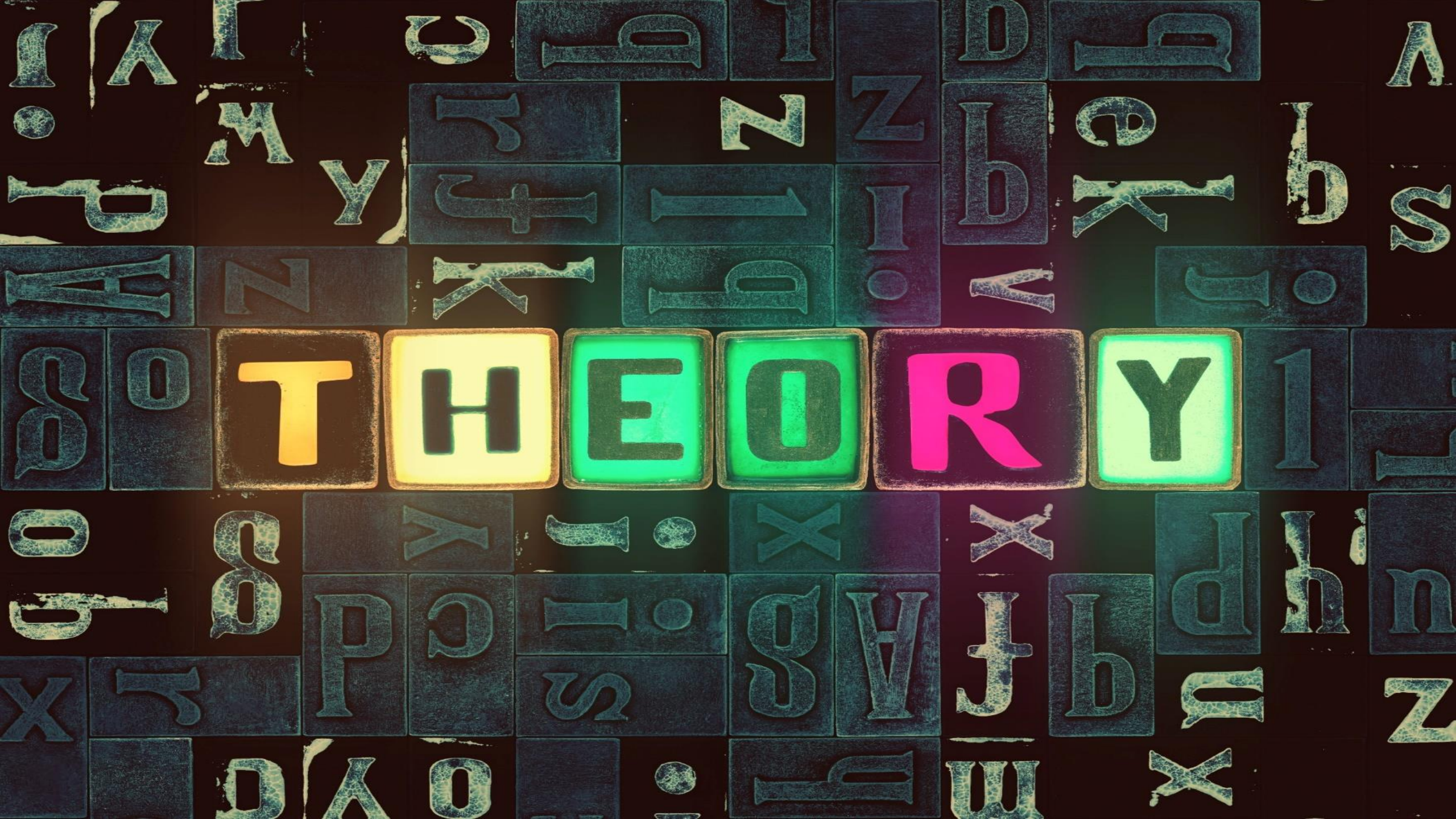
“All reasoning must be grounded on first principles. This holds in moral reasoning, as in all other kinds... But, without such principles, we can no more establish any conclusions in morals, than we can build a castle in the air, without any foundation.”
–*Essays on the Active Powers of the Human Mind* (1788)



Thomas Reid

How did the use of imagery enhance the active learning component of this lesson?





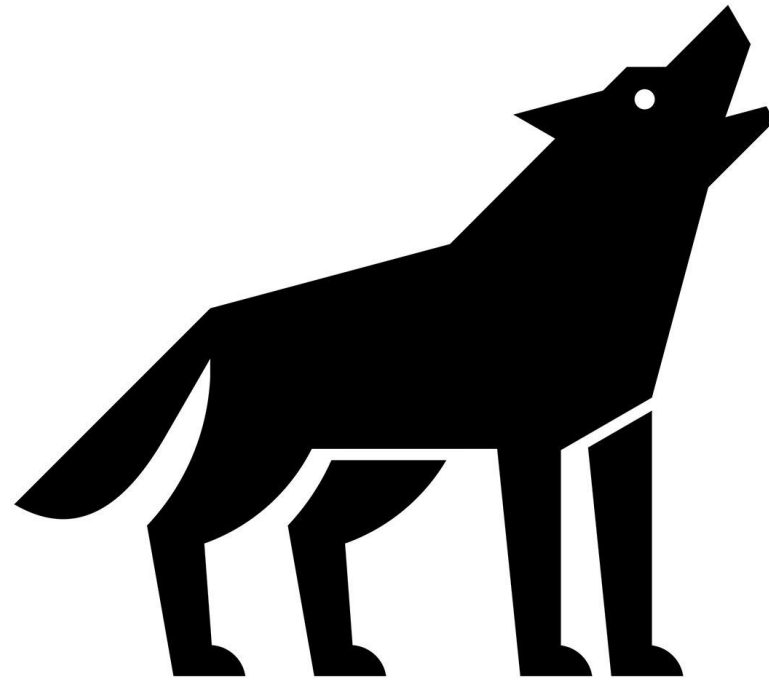
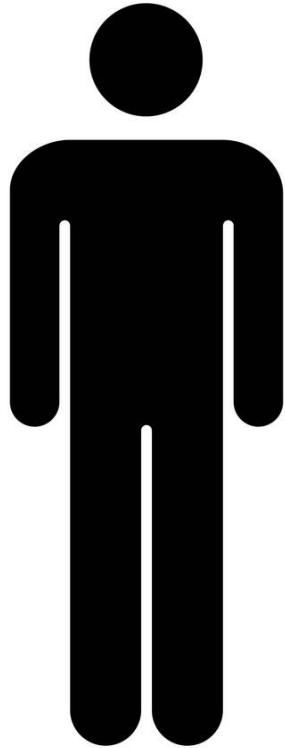
T H E O R Y

Philosophy of Metaphor



Max Black (1909 – 1988)

“Man is a wolf.”

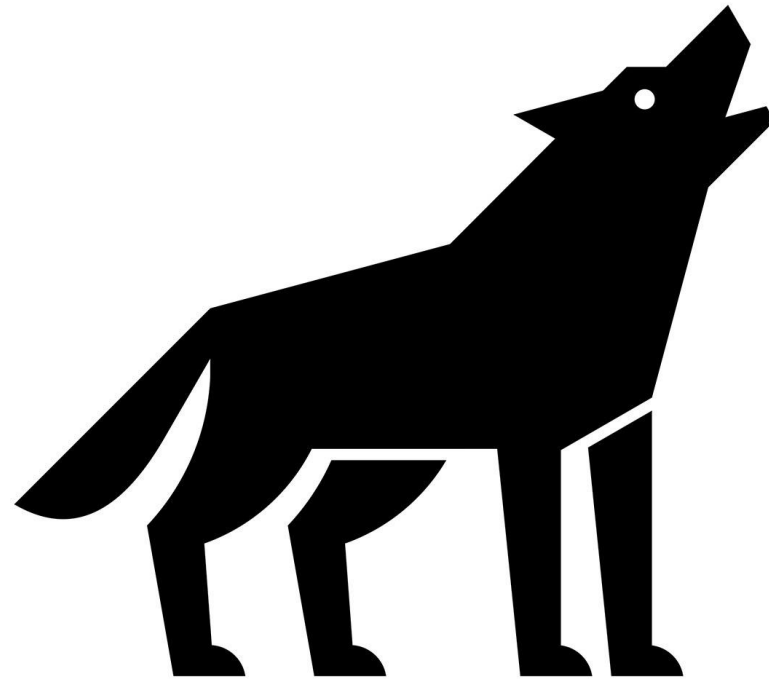
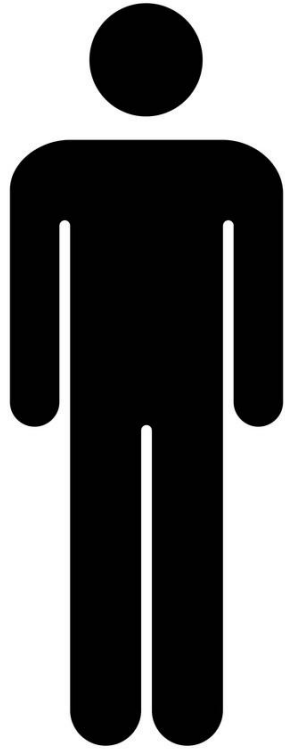


ChatGPT's response to a man-is-a-wolf metaphor prompt:

The wolf is an animal that has long been associated with danger, ferocity, and wildness. In many cultures, wolves have been feared and reviled as creatures of darkness and evil. However, wolves are also intelligent, loyal, and social animals that live in tight-knit family groups and work together to survive.

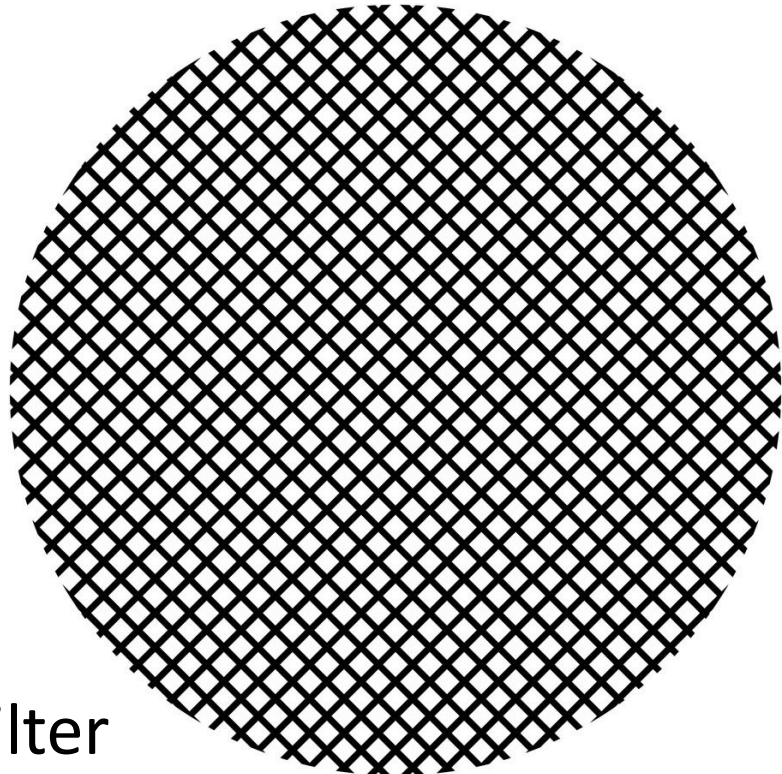
The comparison of humans to wolves highlights the duality of human nature. On the one hand, humans are capable of incredible acts of kindness, compassion, and altruism towards one another. On the other hand, humans are also capable of great violence, cruelty, and aggression, particularly towards those who are perceived as different or threatening.

A good metaphor “incites the hearer.”





What are the limitations of using the metaphor of a filter and/or a telescope to capture how metaphor works?



Filter



Telescope

Suppose that I look at the night sky through a piece of heavily smoked glass on which certain lines have been left clear. I shall see only the stars that can be made to lie on the lines previously prepared upon the screen, and the stars I do see will be seen as organized by the screen's structure. We can think of metaphor as such a screen... -Max Black *Models and Metaphors*



Capricorn

Aquarius

Pisces

Aries

Taurus

Gemini

Cancer

Leo

Virgo

Libra

Scorpio

Sagittarius



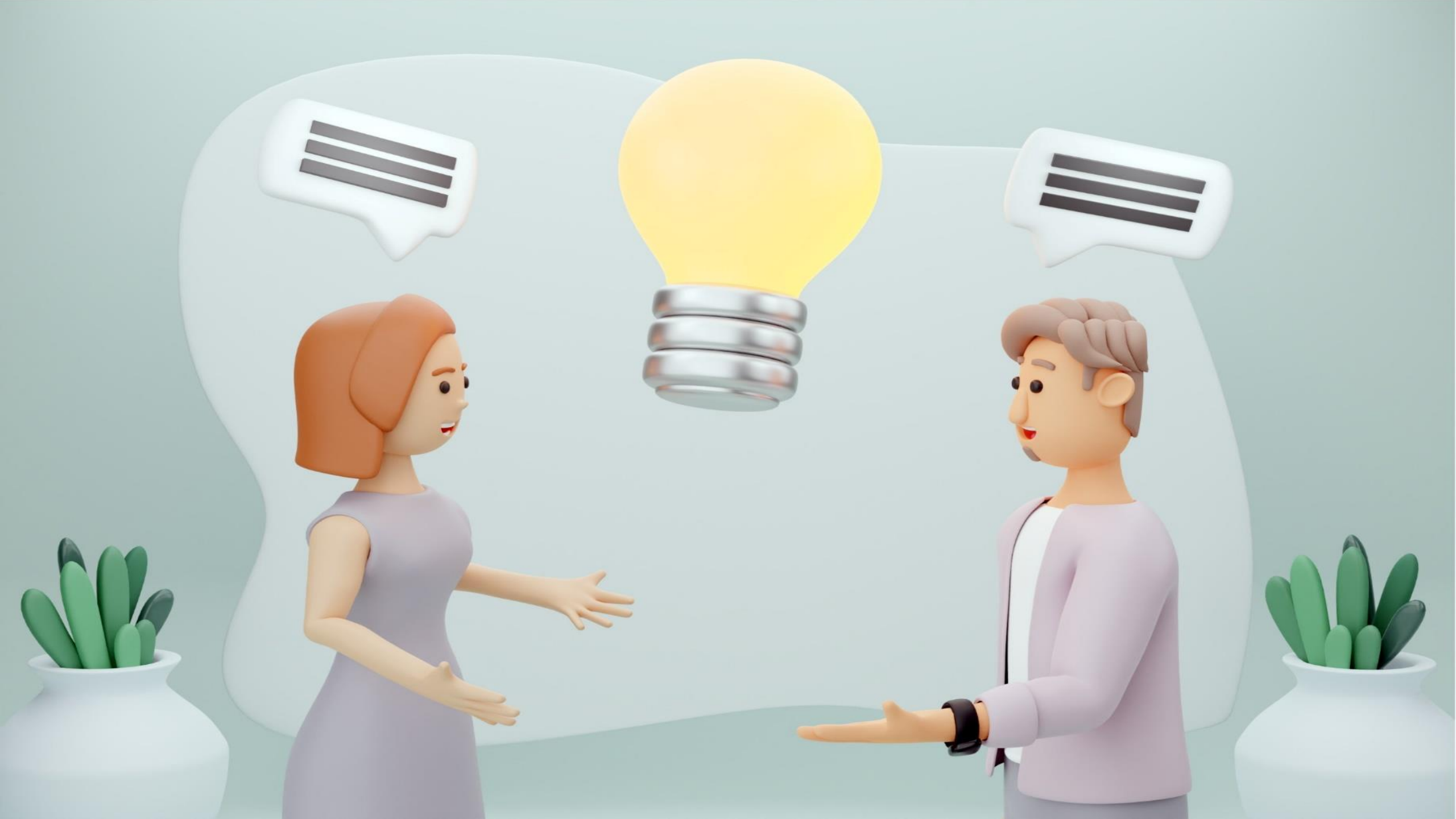
ZODIACAL
constellations



SAGITTARIUS

Student Preparedness





Strategy: Give your students prep work.



Prep work:

Assign videos & readings...



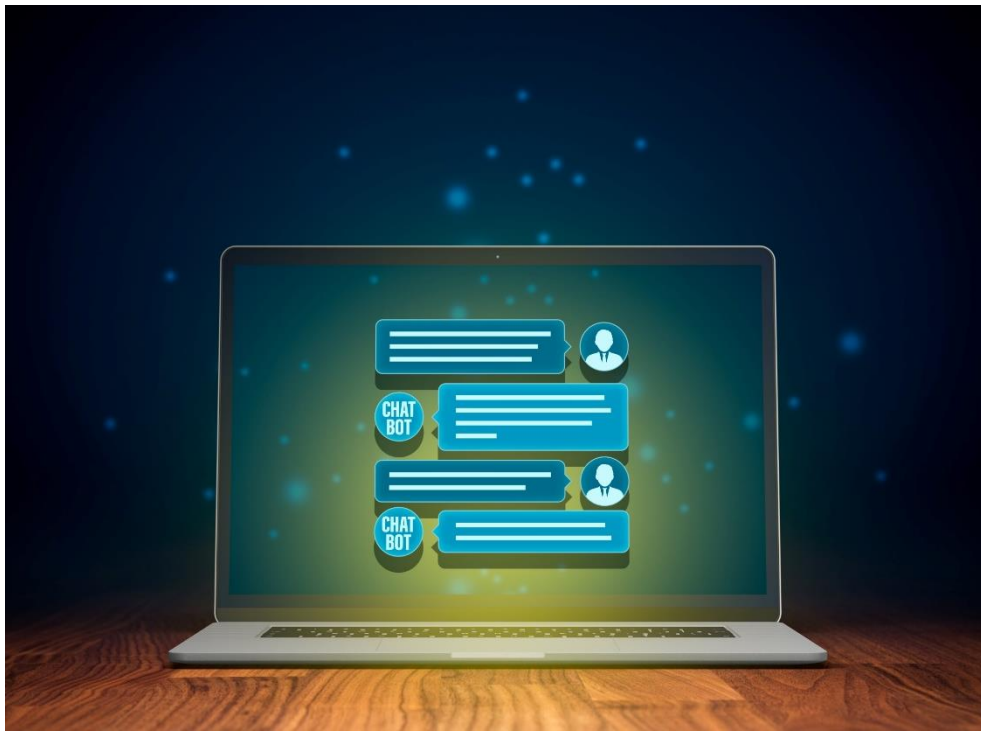
... but also ask for deliverables.



The space between problem and solution is the whetstone on which skills are sharpened.



Contrast what AI says about the topic with what is said in the video/reading.



It's more efficient to filter and transform the ideas of prepared students by means of imagery.



Finding & Selecting Images

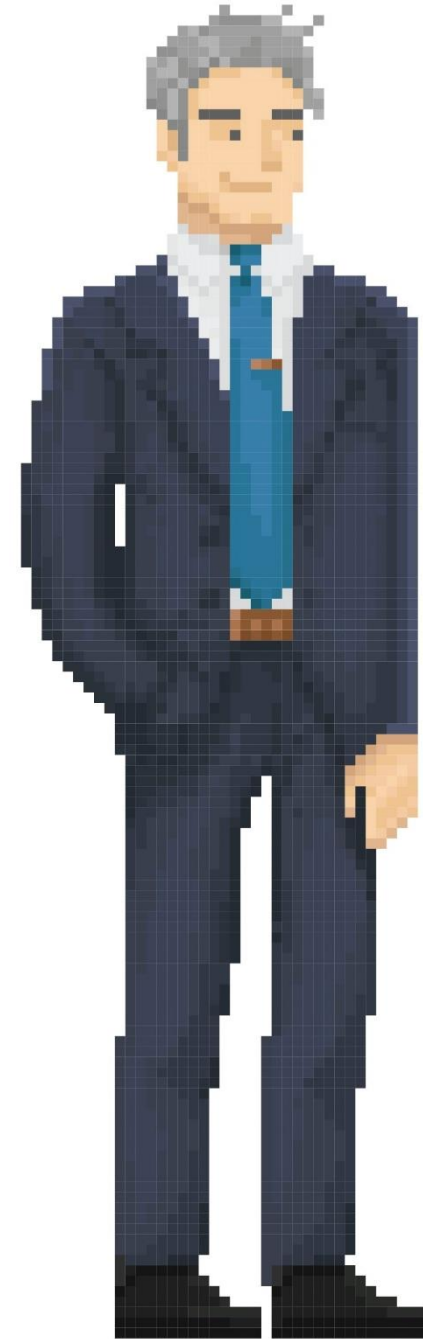


Google
Images



Two Common Problems with Free Images:

1. Pixilation (when blown up)
2. Underrepresentation (of non-white-males)



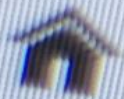
起点中文网



Walgreens



【畅游网】



<https://ru.123rf.com>



123RF

nevodka, 98280771

What are the benefits of 123RF PLUS?

- You'll get unlimited downloads.
- You don't have to credit or attribute the author when you use PLUS images.
- You'll get access to a growing collection of 80 million stock photos and 20 million stock illustrations.
- There's an exclusive collection of 50,000 3D illustrations that is only available to 123RF's PLUS subscribers.

Paid-For Photos =
Better Inclusivity



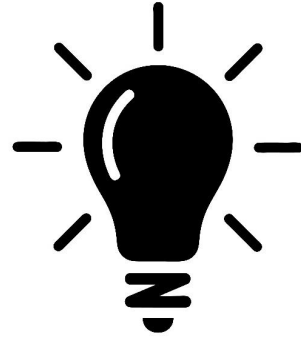
Selecting Images



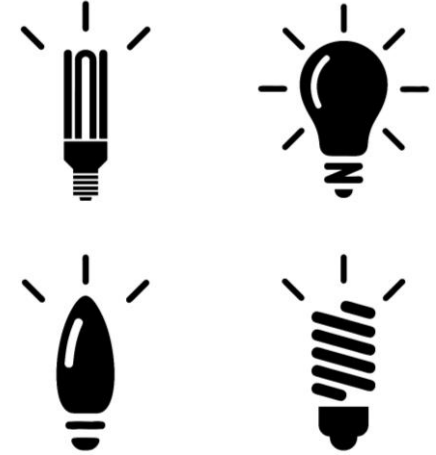


Trial & Error

3 Types of Problems:

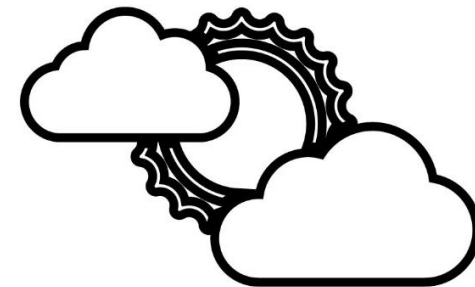


1. Problems with an ideal solution

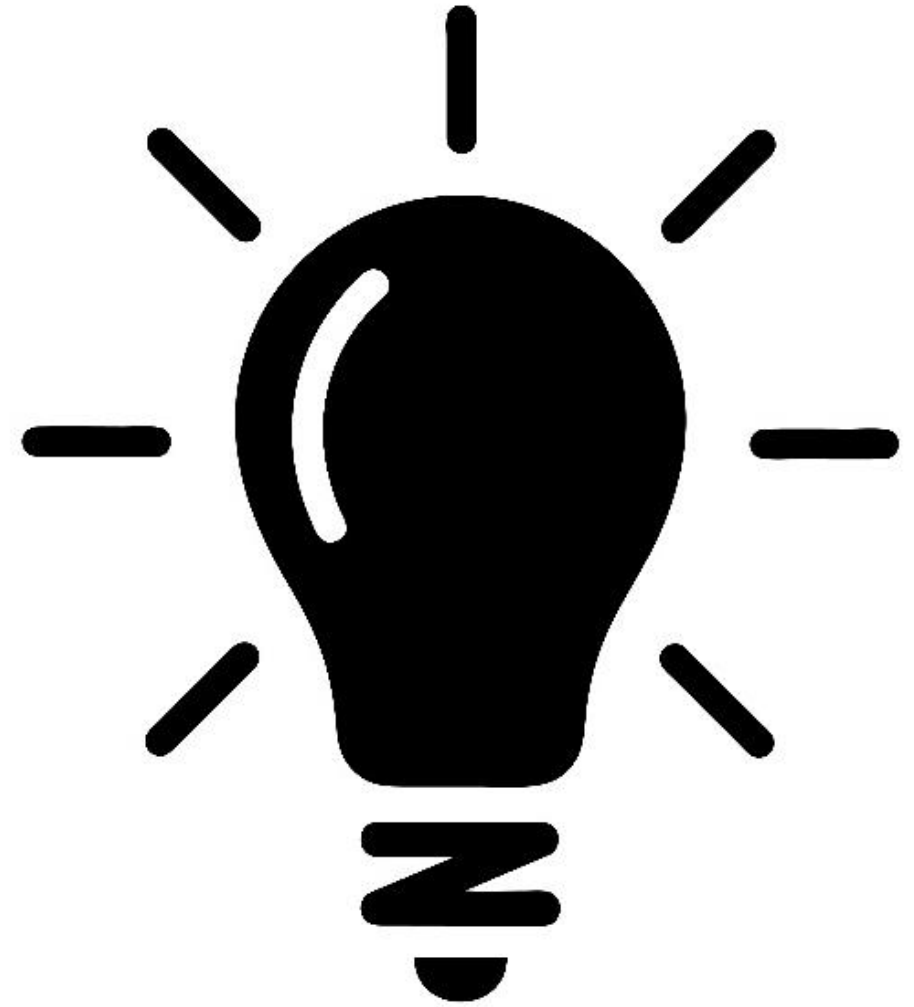


2. Problems with a small number of effective solutions

3. Problems prompting open-ended responses



**Problems with
an ideal solution**



If there is a particular kind of solution at which you want your students to arrive, then

(a) think of a word or phrase that captures the insight in question,

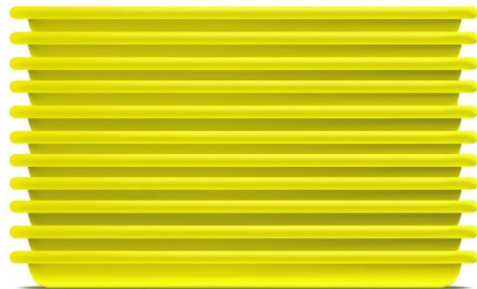
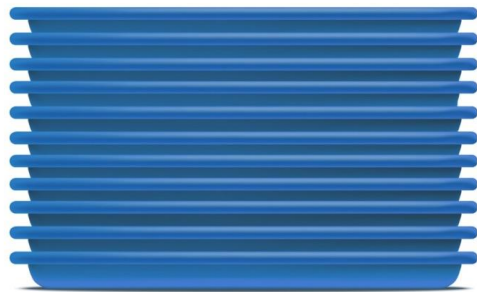
(b) if the word or phrase would draw an abundance of irrelevant results, then substitute a synonym or alternate phrase,

(c) if the word or phrase either refers to something especially abstract and you can think of a more concrete analog, then substitute the analog for the initial word or phrase, and

(d) type the word or phrase into the search bar and chose an image from among the results.

Data Structures

Stacks & Queues



“Create a counterexample to utilitarianism involving an insignificant decision.”

INSIGHT: An example in which the utility of the best option is only slightly higher than the utility of the second best option works best.

“**Near tie**” draws an abundance of necktie photos.

“**Photo finish**” works better.



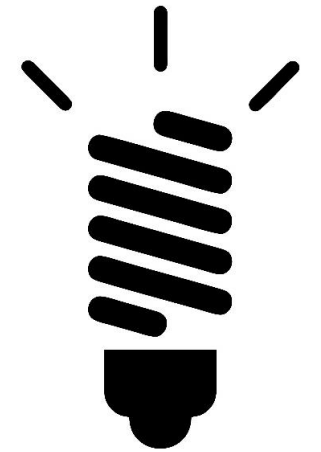
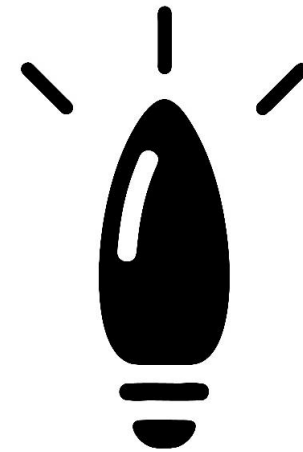
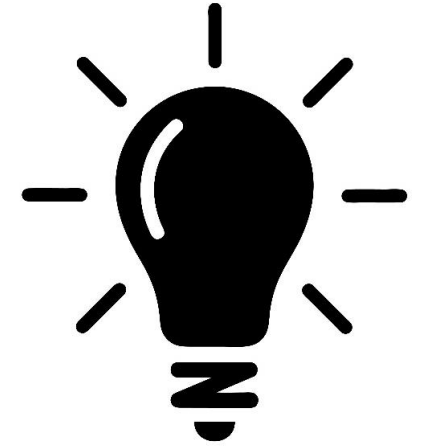
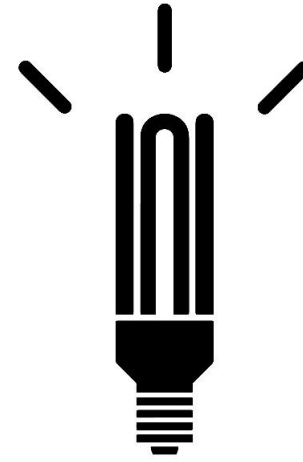
If no suitable image is available, then consider getting creative with an image that is available.



“Should we judge acts by their intentions or their results?” No image was available for “forgetful assassin,” so I created an alternative-history example, in which John Wilkes Booth supplies a wake up call and, thus, prevents assassination by some other person at a later date.



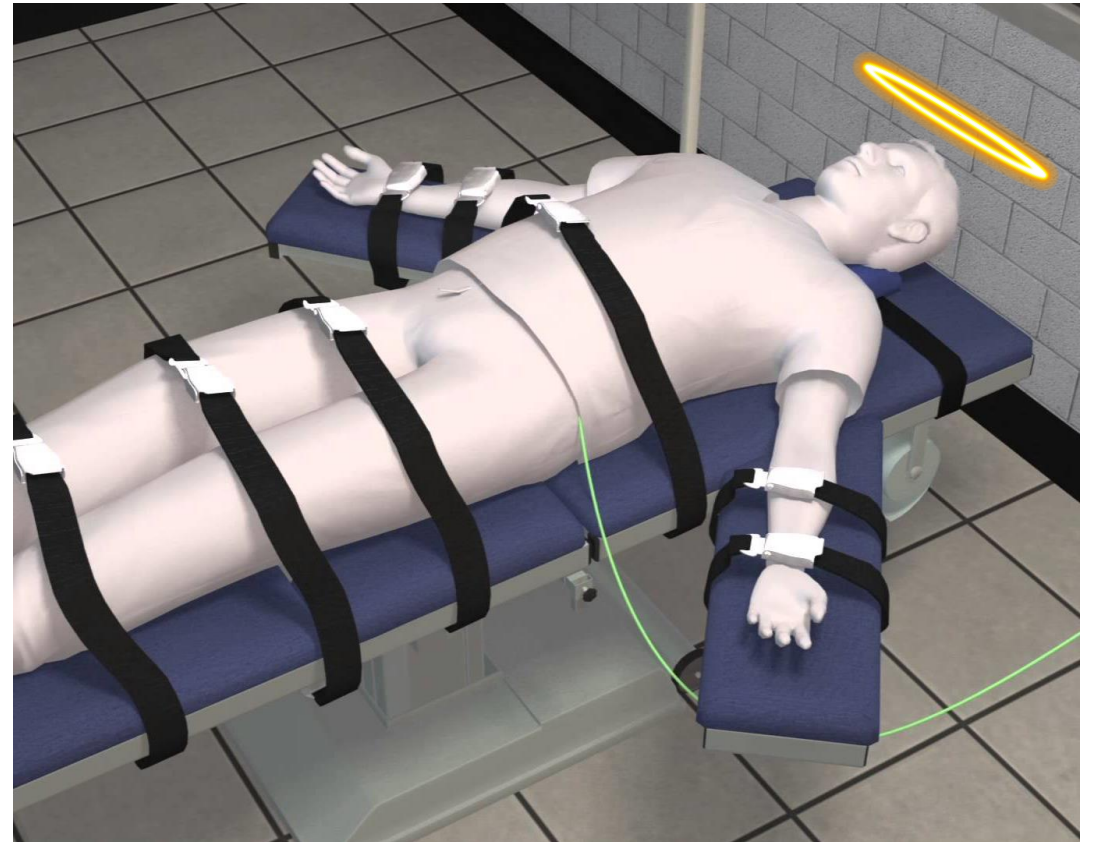
**Problems with a small #
of effective solutions**



“Create your own counterexample to Utilitarianism involving punishment.”

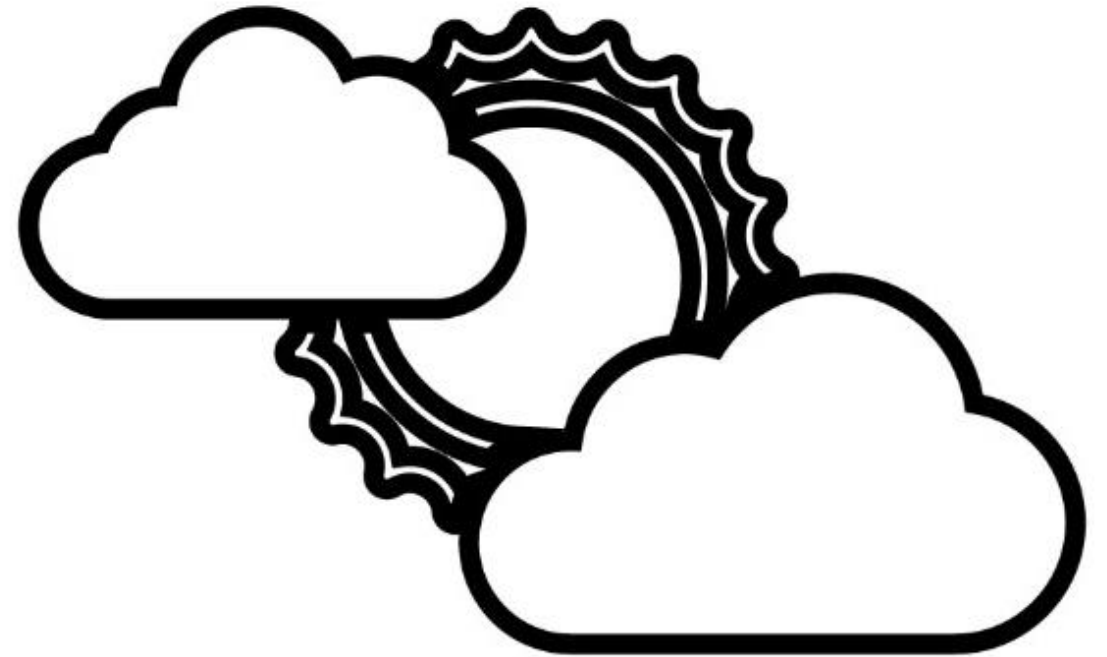


Insight 1: Disproportionate punishments might maximize utility.



Insight 2: Punishing an innocent person might maximize utility.

**Problems prompting
open-ended responses**



If the question or problem is open-ended, then think of a word or phrase that captures the question or problem and type the word or phrase into your search bar and chose an image from among the results.



Make the unfamiliar familiar.





It is curious, but till that moment I had never realized what it means to destroy a healthy, conscious man. When I saw the prisoner step aside to avoid the puddle, I saw the mystery, the unspeakable wrongness, of cutting a life short when it is in full tide. This man was not dying, he was alive just as we were alive.

All the organs of his body were working – bowels digesting food, skin renewing itself, nails growing, tissues forming—all toiling away in solemn foolery.... He and we were a party of men walking together, seeing, hearing, feeling, understanding the same world; and in two minutes, with a sudden snap, one of us would be gone – one mind less, one world less.

Balance reason
and emotion as
resources.



Induce a perceptual experience of the problem.



Flipping the Script



- Because ChatGPT is text-based, ask students to produce non-text work, like infographics, podcasts, video, drawing, diagram
- Since ChatGPT cannot access materials protected by firewalls, ask students to make connections and references to discussions and materials posted to an LMS (myCourses)
- Ask students to write an essay reflecting on specific experiences that have occurred in your class

PROS

1. _____

2. _____

3. _____

4. _____

CONS

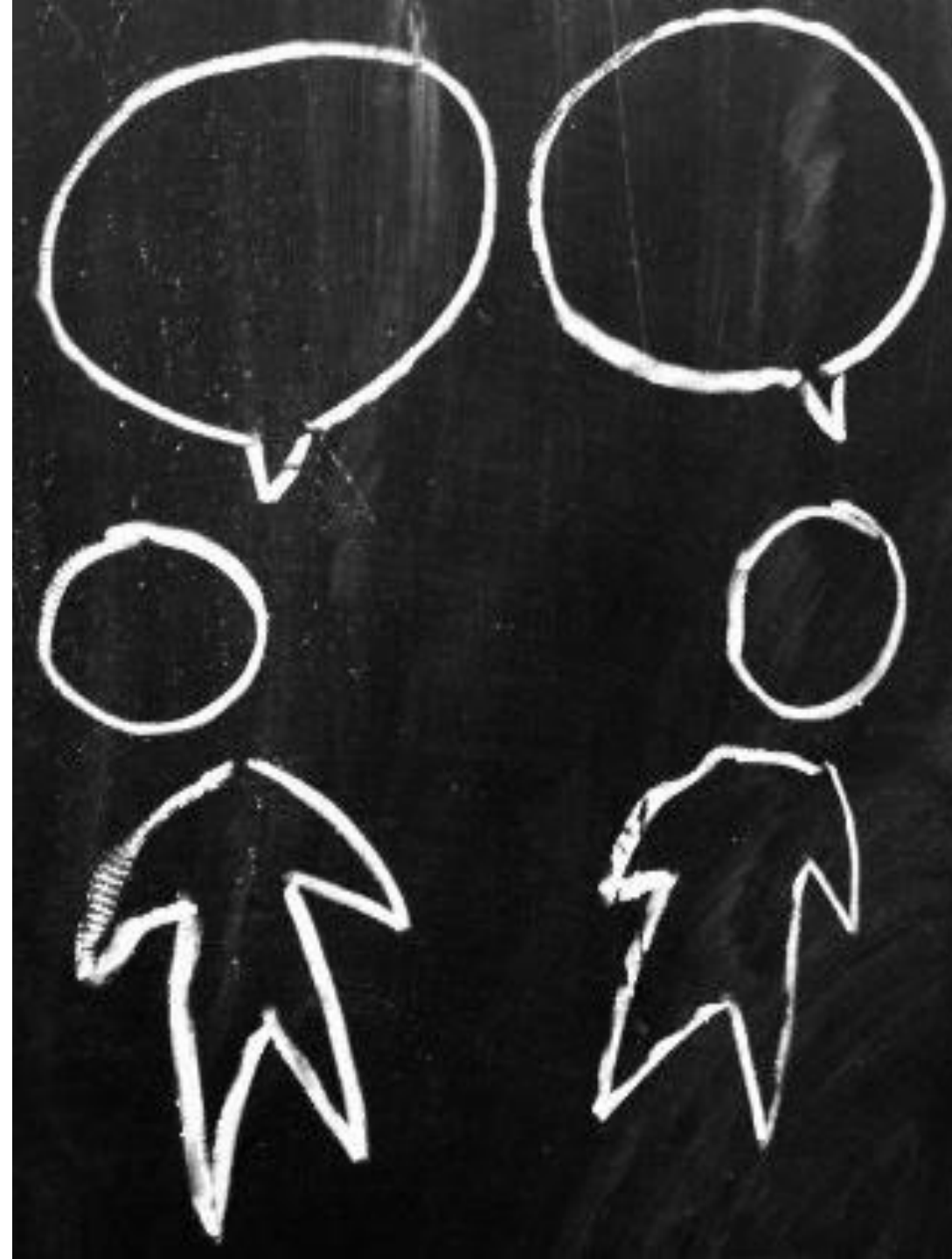
1. _____

2. _____

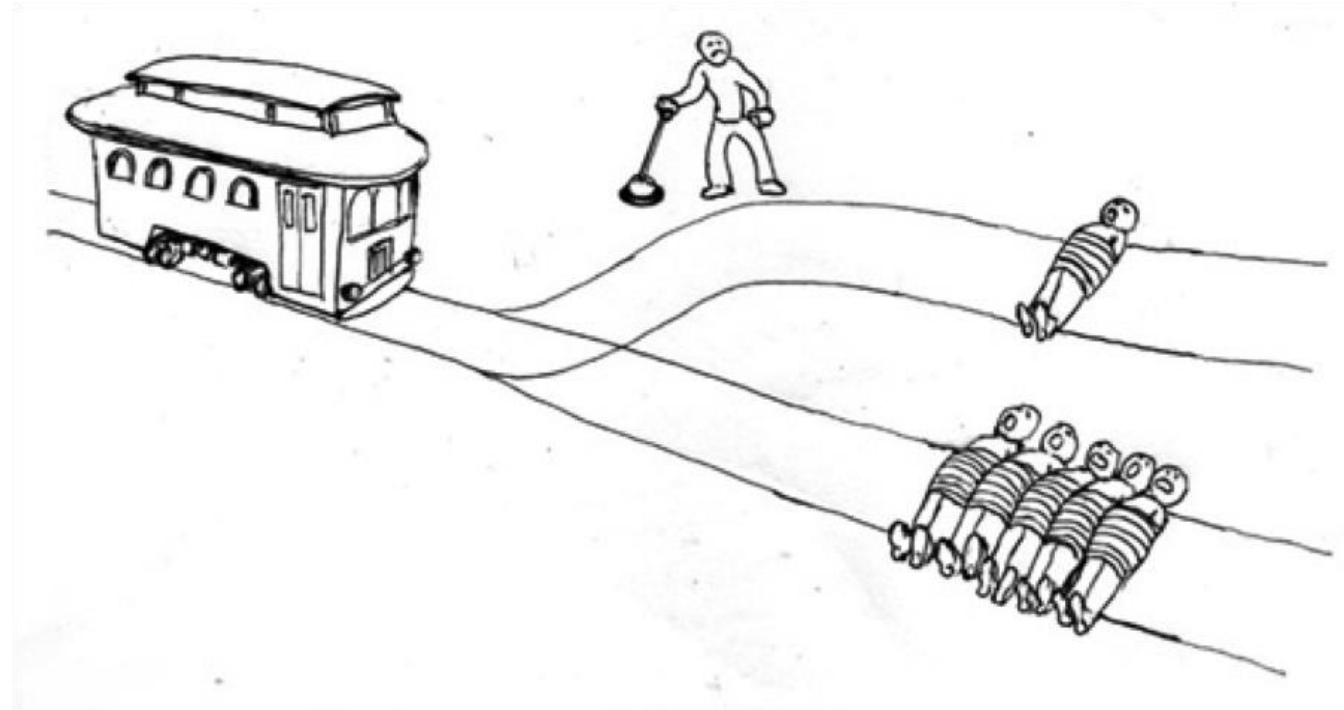
3. _____

4. _____

PROBLEM 4: First, find or draw an image (not involving moving vehicles or burning buildings) that illustrates an important pro (pro, as in pros versus cons) of Ross' moral pluralism. (Be sure that **pluralism** figures into the equation.) **Second**, explain how the image reveals that pro. Be creative in your choice.



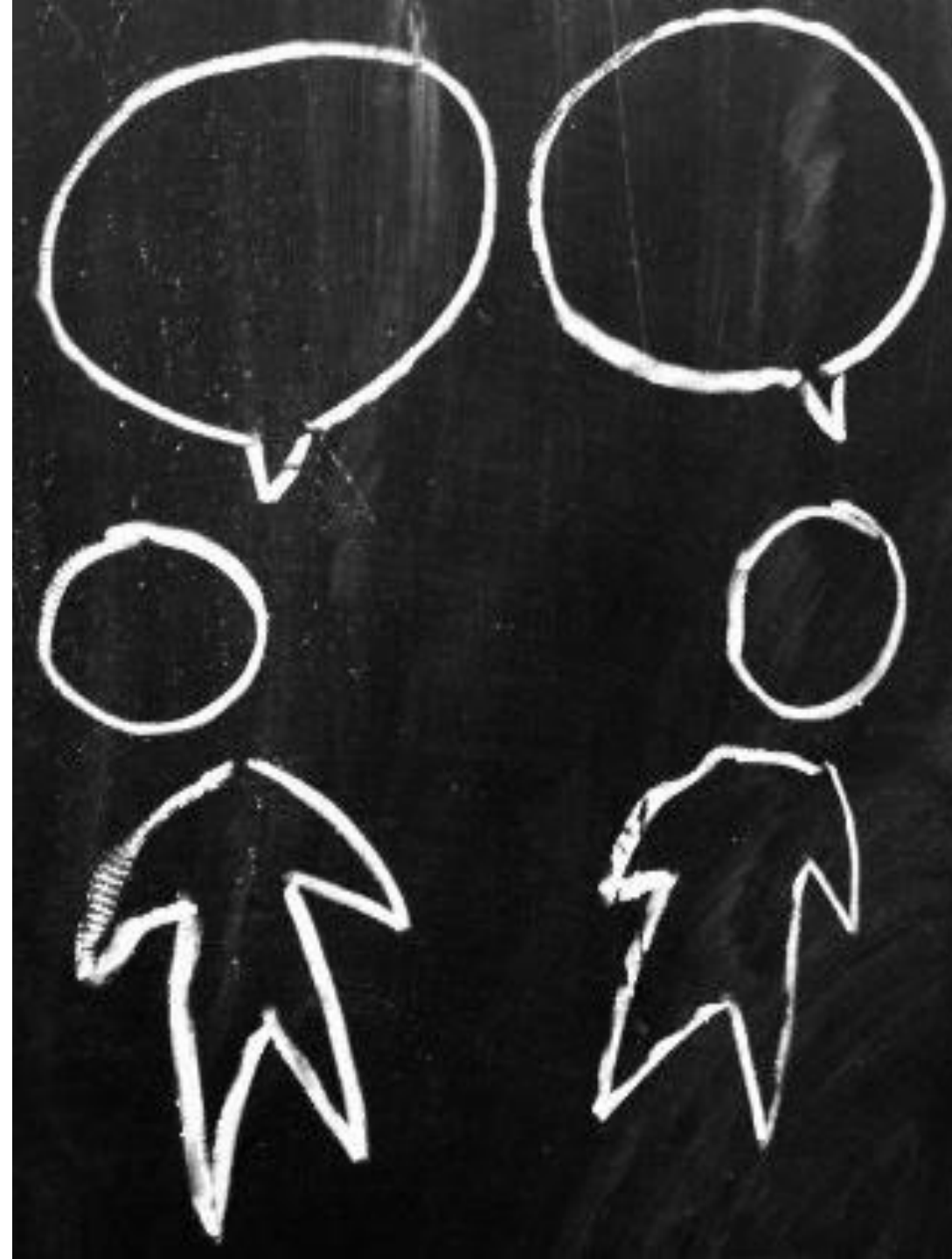
Rule Out Top Google Images Search Results



Call the Artists Up to the Board



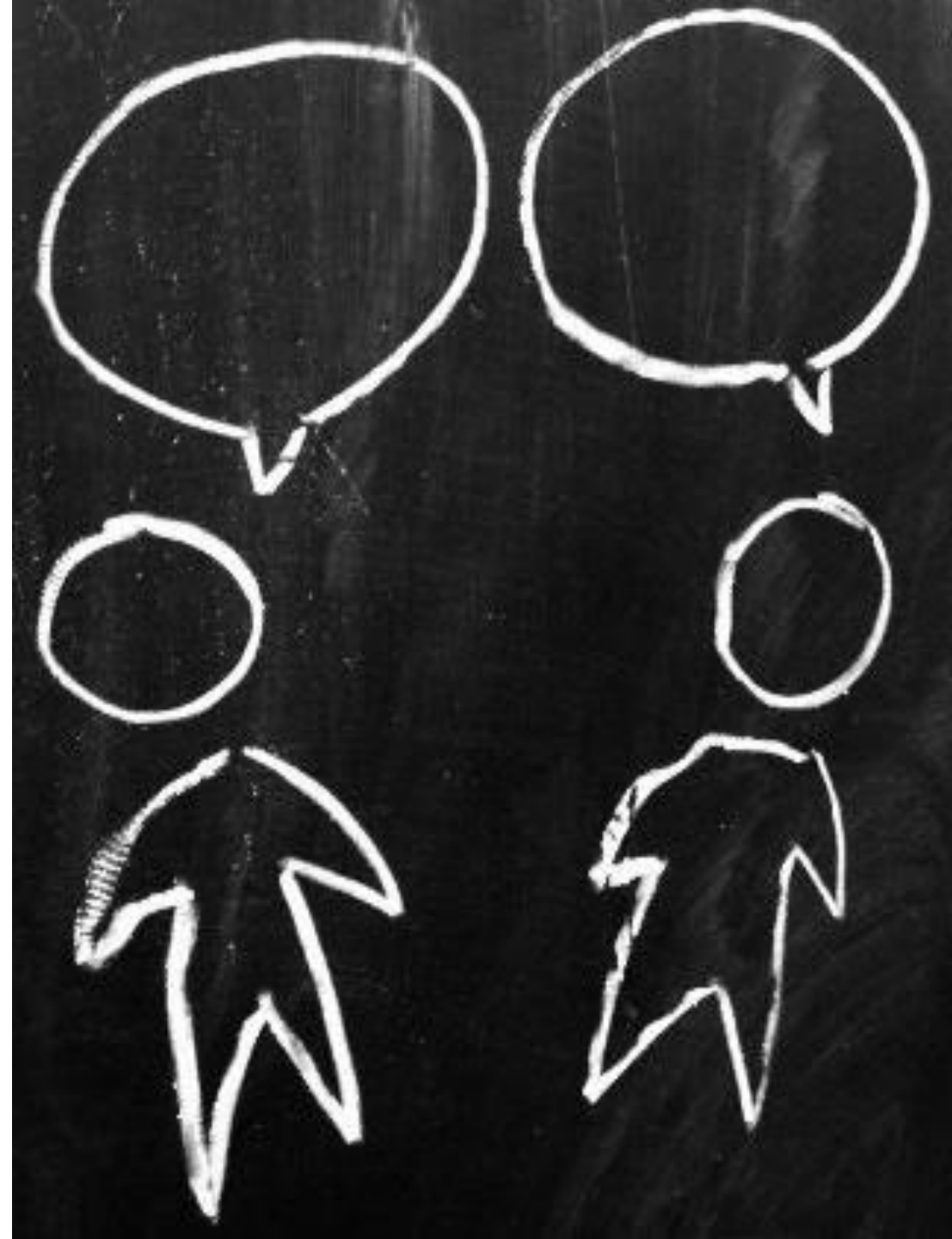
PROBLEM 3: Dworkin draws conclusions about the morality of affirmative action on the basis of utilitarian reasons. **First**, find or draw an image that illustrates an important benefit of believing that affirmative action should be evaluated from a purely utilitarian point of view. **Second**, explain how the image reveals that benefit. Be creative in your choice.

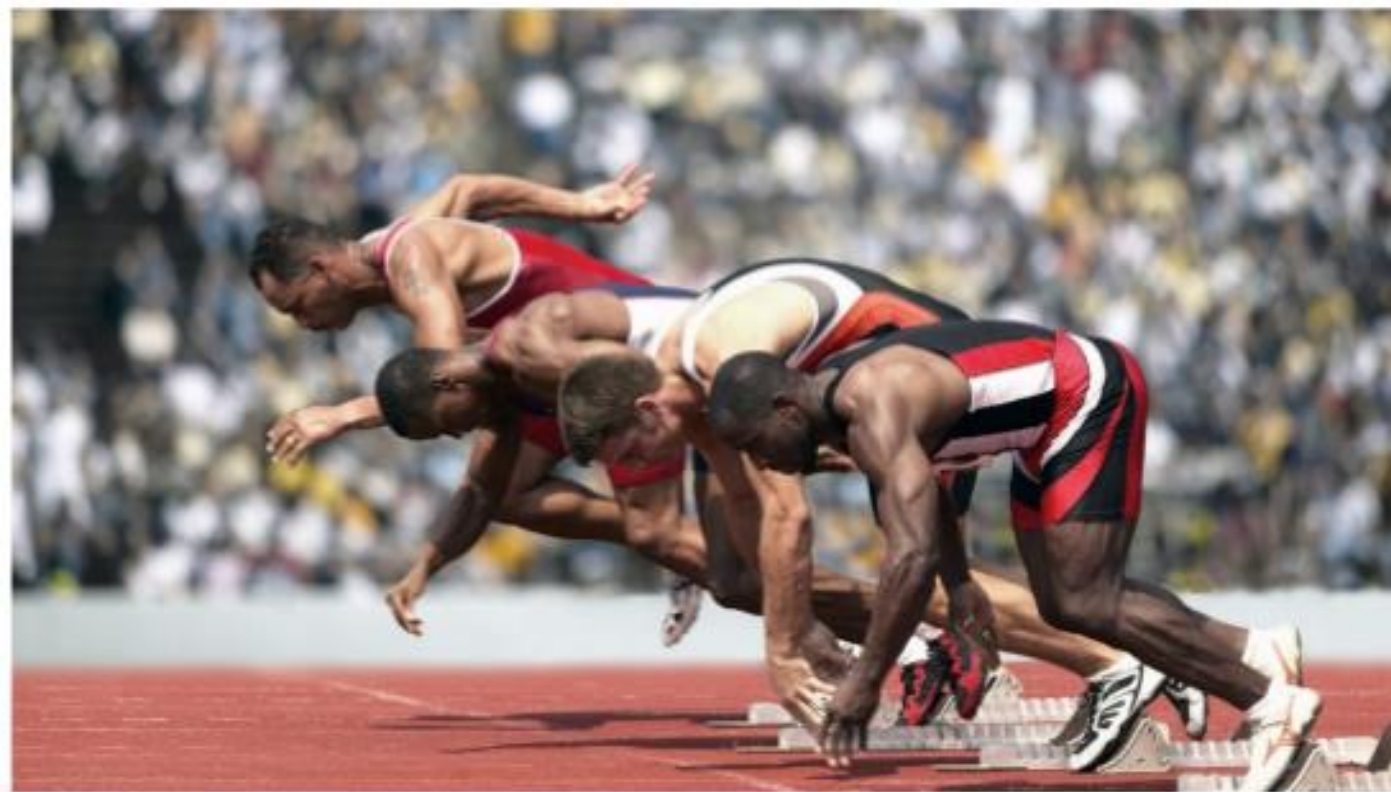




I believe that this picture supports the morality of affirmative action based off the net utility that is provided to the minority community. Inspiration and belief is an amazing thing- having a role model and an example to strive for in life is an incredible gift, and I believe that affirmative action will promote that. Historically, people of ethnic minorities have not been able to see their race in high-powered jobs, which led to a reduced drive for those sort of jobs. When a minority reaches a high powered job, it is a historic moment, for example Jackie Robinson and Barack Obama. Because of affirmative action, one could inspire an entire generation of children to strive for higher goals and accomplishments, which to me, had a much higher utility than a white male getting a job.

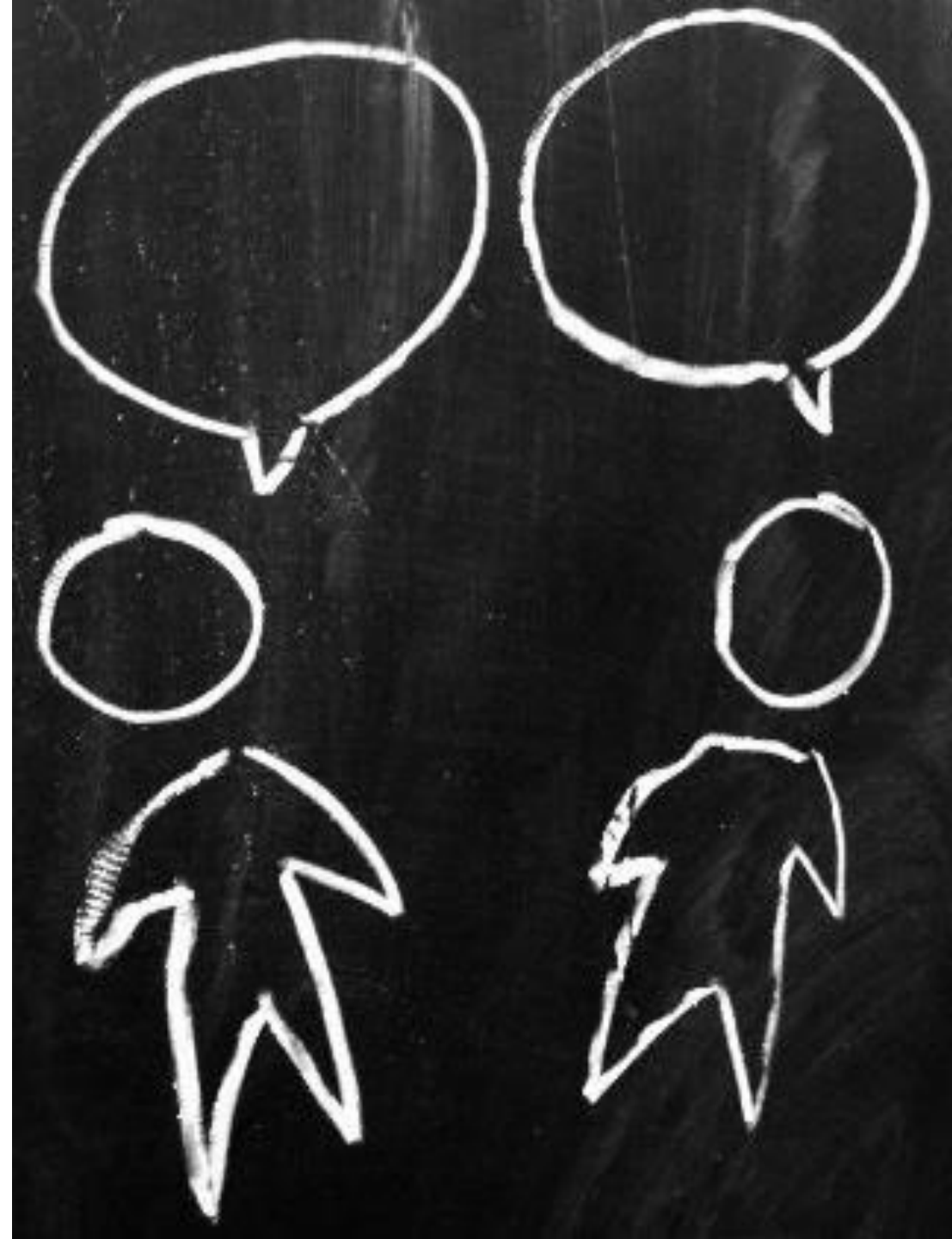
PROBLEM 3: **First**, find or draw an image that illustrates an important benefit of Rawls' original position. **Second**, explain how the image reveals that benefit. Be creative in your choice.





...taking into consideration any possible situation which could bring about inequality or unfairness. One example is a kid being born in a wealthy family, while another is born in a poor one, and the wealthier child has a better chance of being successful. While in the original position you would try to create a society that would make sure that this situation does not happen and every child born will have an equal chance at life, which I believe is shown in this image where every racer starts at the same place and has a fair chance of being successful.

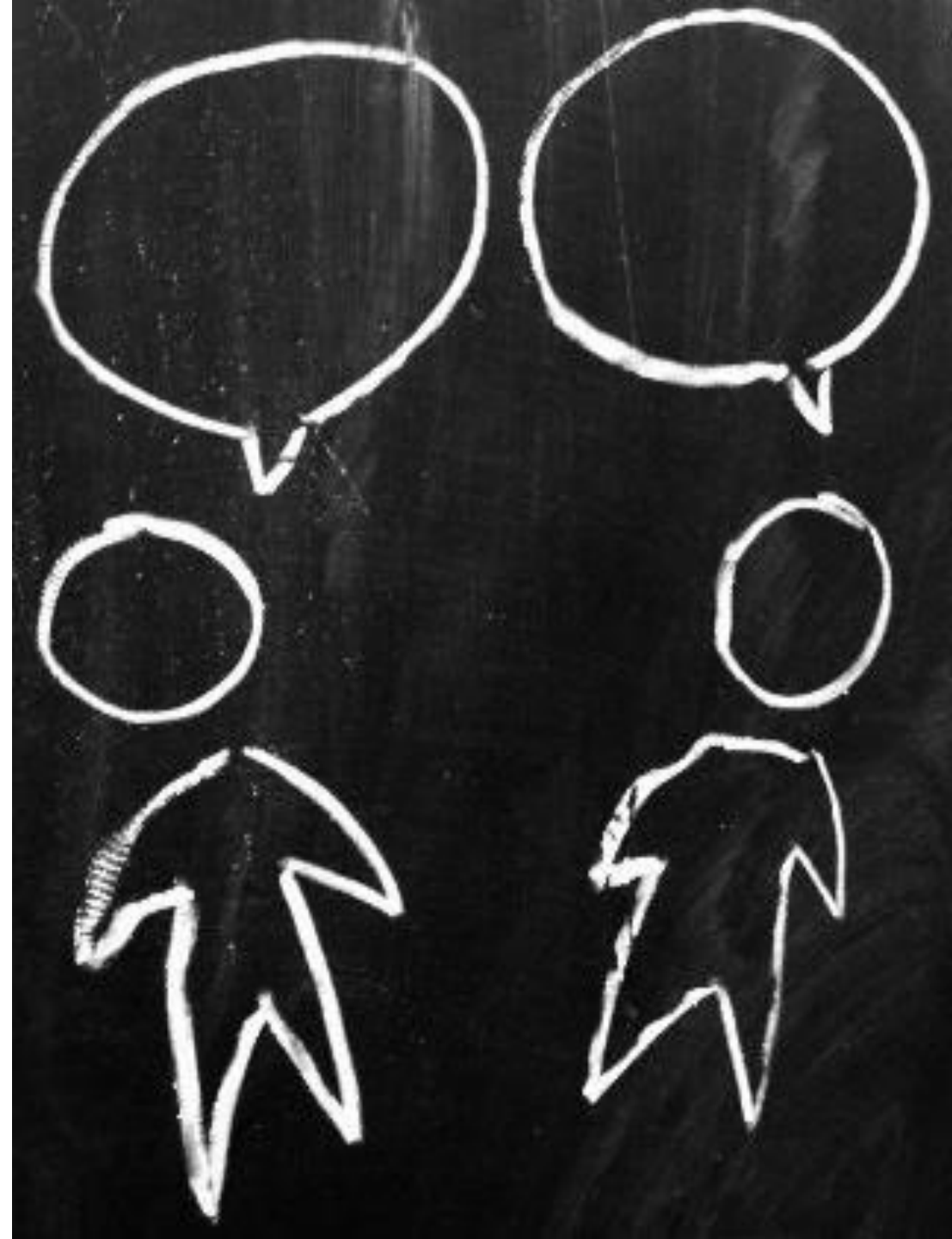
PROBLEM 4: First, find or draw an image (not specifically about drowning or responding to poverty) that illustrates an important benefit of believing Singer's principle. Second, explain how the image reveals that benefit. Be creative in your choice.





The image I chose that shows a benefit of believing Singer's principle is wearing a mask in public. This is a benefit because we are able to save other people's lives by preventing the spread of COVID. By wearing the mask, we are taking a small precaution, but it is to help the greater good. We are sacrificing our personal freedoms, by wearing a mask. In return, the spread of COVID is greatly reduced. Though it can be an inconvenience, it helps the greater community. It is in our power to do what we can to prevent the spread.

PROBLEM 4: First, find or draw an image that illustrates an important pro (pro, as in pros versus cons) of using imagery to spark active learning in one's classroom. Be creative in your choice.



Q & A

