

UDL October 2017 Curriculum!

***Siri, can you teach my students how to debate about artificial Intelligence(AI)?***



***Important notes!***

- **Tournament November 3rd**
- **Figure out your debate coaching plans for October Break!**

**Week 1: Week of October 9-13,2017**

**Week of tournament debrief and topic warm up!**

- **Debrief: Let's talk about the tournament! (20 minutes)**
  - Two options to discuss the tournament with students:
    - Have students turn to their neighbors (groups of 2 to 3) and have them discuss for two minutes. Poopsicle/Popsicle, one good thing and one not so good thing. After two minutes, ask for volunteers to report back to the room.
    - Ask students to call out their favorite resolutions! Ask them if there were surprises and what was the hardest argument they encountered.
    - Ask, what do you think the judges were looking for?
    - Encourage students to attend the next tournament and try to get the students to talk about the fun parts of the tournament to encourage larger team participation.
- **Group Discussion (15 minutes):**
  - Tell Students that this topic is about artificial intelligence! Ask the following questions: When you think of artificial intelligence, what do you think of? What counts as artificial intelligence? (There's a debate around this).

- Have them draft a working definition as a group! The most concise and accurate wins! No google this time!! Then have the groups come and present.
- Here's a definition for you knowledge!
  - *Artificial intelligence: the theory and development of computer systems able to perform tasks that normally require human intelligence, such as visual perception, speech recognition, decision-making, and translation between languages.*
- *Finally, push them on the definition and say that we can't narrow it down because AI is constantly developing with technology!*

- **Topic Warm up cards activity: (20 minutes)**

Now, let's do some topic warm up and refutation cards!

- Instructions for coaches: Select one volunteer from the class to give the first speech. Ask the volunteer to draw a card (no need to have physical cards, you can choose the question) and give her 2 minutes to prepare a 1-minute speech in favor of the question. Instruct the rest of the class to get out a paper and pen to take notes on the speaker's arguments and to write down argument they would say.

Ask the speaker to give a speech, as the rest of the class flows. Once the speaker is finished, call on a second student to prepare a 1-minute negative speech refuting the first speaker's arguments. Allow volunteers from the class to ask the first speaker questions as the second speaker prepares. Then, the negative speaker should deliver a speech.

Repeat the activity by inviting another student to draw a card and deliver a speech, and by calling on another student to refute the initial claim. You can also do this in groups by splitting up the groups and having them observe and flow.

- **Is SIRI useful for society?**
  - **What's the impact of AI on the Job force?**
  - **Will AI replace human intelligence?**
  - **Will there be an AI army rise up?**
  - **Feel free to come up with more on your own and have students debate it!**
- Choose students that didn't speak to report on the debate by summarizing what they flowed.

## **Week 2: Week of October 16-20, 2017 (October Break for Yalies)**

### **Discussion on different uses of AI (20 minutes)**

- Ask students to write down all the potential uses of AI in the world. Give them 5 minutes to do this.
- Have students call out and write as they speak (hopefully you have a whiteboard)
- **Discuss AI in context of different sectors.**
  - **Healthcare**
    - AI assists doctors. Microsoft created AI to help doctors identify right treatment for cancer.
    - Surgeries are done with autonomous robots.

- **Automotive**
  - Self driving cars! Tesla, google, and Apple
  - Google is working on a car that can adjust to environment without needing mapping
- **Education**
  - Not thoroughly developed yet but Khan Academy is making way with trying to create a system that tracks human progress
- **Content Marketing (Facebook)**
- **Jeopardy!**
  - Talk about the IBM watson and how it was taken to jeopardy and won! And how it also diagnosed leukemia.

**AI Research activity! (20 minutes total)**

- Have students pull out phones or laptops and split into groups where they will choose one of the sectors as a group to research AI developments in this sector more extensively and the pros and cons.

**Group presentation! (5-10 minutes)**

- Have the groups stand up and present for 5 minutes! Each person needs to contribute in the group.

**Give feedback on articulation and wording of presentation (rest of time)!**

**Week 3: Week of October 23-27, 2017**

**Week of Articulation and Speaking Drills!**

- **Warm up (10 minutes)**
  - **Instructions: (Have students to do this all at once, individually, they can stand and walk around the room). Coaches walk around and challenge students.**
    - Read a piece of evidence with a pen horizontally between the lips.
    - Read a piece of evidence backwards, from the right-hand side of the last sentence until the left hand side of the first sentence, word by word.
    - Read a piece of evidence with the syllable “oh” between each word
    - Read a piece of evidence with the syllable “A” between each word.
    - Read a piece of evidence while punching the ending of every word. You can’t attend would become “you “A” can “Ta” atten “Da”.

Here’s the evidence that you should have your students read this blurb from cbs,

- <https://www.cbsnews.com/news/what-an-artificial-intelligence-researcher-fears-about-ai/>
- “The HAL 9000 computer, dreamed up by [science fiction author Arthur C. Clarke](#) and brought to life by [movie director Stanley Kubrick](#) in "2001: A Space Odyssey," is a good example of a system that fails because of unintended consequences. In many complex

systems – the [RMS Titanic](#), NASA's space shuttle, the [Chernobyl nuclear power plant](#) – engineers layer many different components together. The designers may have known well how each element worked individually, but didn't know enough about how they all worked together. That resulted in systems that could never be completely understood, and could fail in unpredictable ways. In each disaster – sinking a ship, blowing up two shuttles and spreading radioactive contamination across Europe and Asia – a set of relatively small failures combined together to create a catastrophe.”

### **Coach led Tongue Twisters! (5-10 minutes)**

- As a coach, you lead the exercises and vary the speeds. If there are multiple coaches, you can split up into groups.
  - Red leather, Yellow leather. Good blood, bad blood.
  - One duck, two geese, three french hens.
  - A noisy noise annoys a nose.
  - Friendly Frank flips fine flapjacks.
  - Vincent vowed vengeance very vehemently.
  - The epitome of femininity.
  - Please pay promptly.
  - Hi-Tech Traveling Tractor Trailor Truck Tracker. • Irish wristwatch.

### **Reading from a dictionary (5-10 minutes)**

- Have students orate from a dictionary or textbook in the most clear manner as possible. Students can also choose a scientific article and read.

### **Impromptu speeches (15 minutes)**

- Give each student 2 minutes to prepare a 3 minute speech on 3 ways that they experience AI in their lives. Emphasize that this speech should be *structured*, so they will have to write tag-lines and fill in the actual wording on the fly.

### **Argument perfection (rest of time)**

- Give the students five minutes to thoroughly map out and practice delivering one argument against Artificial Intelligence.
- Here's a link that may help:  
<https://www.technologyreview.com/s/609048/the-seven-deadly-sins-of-ai-predictions/>
- Then, they will have to deliver the argument flawlessly. If they use a filler word--um, like, uh, etc.--or stumble, or anything else, they have to start over again.

## **Week 4: Practice Debates**

- Coaches' liberty!!! Run wild! This also affords some buffer space for teams that didn't meet during October Break!
- Get students to sign up for the November 3 tournament!!