A.I
Listening Lesson

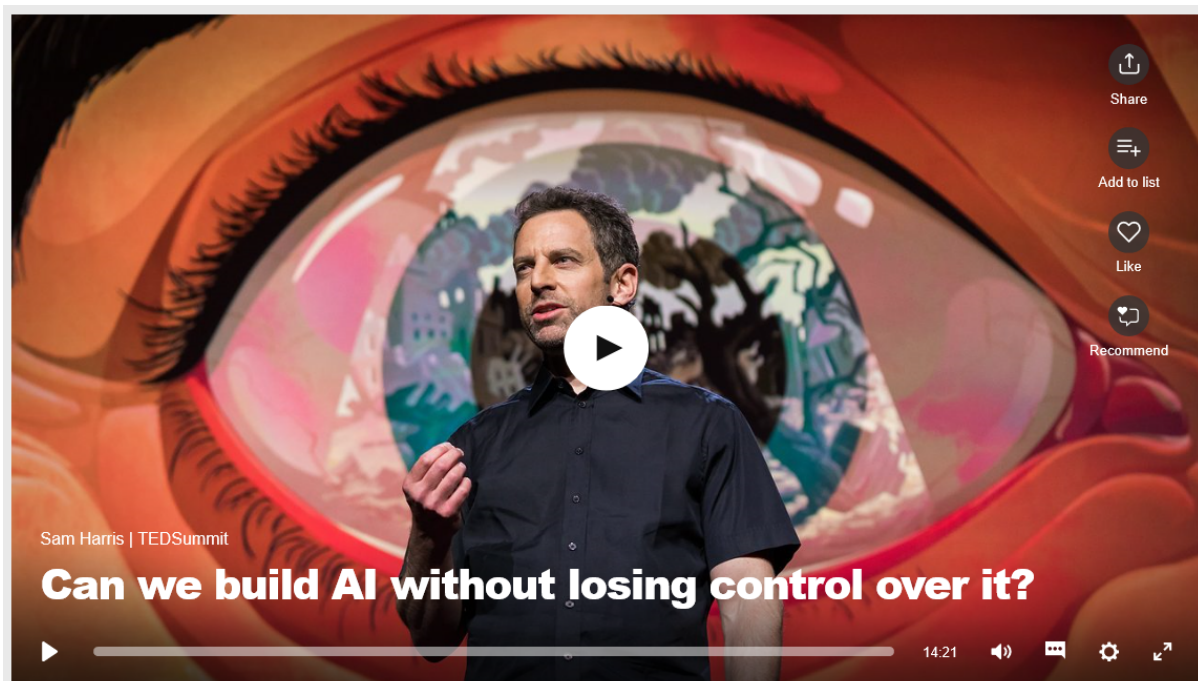Sam Harris | TEDSummit
Can we build AI without losing control over it?

https://www.ted.com/talks/sam_harris_can_we_build_ai_without_losing_control_over_it

Teacher

TED Talks Test Questions

Lesson Plan

Aim: *to develop the students' ability to listen to a 10 min+ lecture, to take notes and then use those notes to answer a range of test type questions.*

Lesson Time: *Approximately 1:30-2:00 hours*

Lesson Plan

1.Lead in

- Ask Students to discuss the 'title' and predict the content of lecture
- Ask students to write down key terms / language from discussion
- Feed in / check key vocabulary

Three types of lesson

Lesson#1: [hard]
1. Students listen once – take notes
2. Give 5 minutes to tidy notes
3. Listen again and add to notes (use a different colour pen).
4. Give out questions – set 20-25 minutes to answer.
5. Feedback answers (give out answers or go through on board)

Lesson #2: [medium]
1. Students listen once – take notes.
2. Give out questions: Set 15 minutes for students to answer questions from notes
3. Listen again – students answer the questions as they listen
4. Give extra 10 minutes to consolidate answers
5. Feedback answers (give out answers or go through on board)

Lesson #3: [easy]
1. Give out questions - students have 10 minutes to look at questions
2. Students listen and answer questions
3. Give 5 minutes to tidy notes
4. Students listen again – check answers and answer questions missed
5. 5-10 minutes to tidy answers
6. Feedback answers (give out answers or go through on board)

Can we build AI without losing control over it?

[listening test questions]

Author: Sam Harris
Date: June 2015
Time: (14:27)
Level: **** [C1]

TED TALKS Link:

https://www.ted.com/talks/sam_harris_can_we_build_ai_without_losing_control_over_it

Check these words before listening:

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Key vocabulary

1. Intuition
2. A global famine
3. �
4. Science fiction,
5. to marshal an appropriate emotional response
6. Automation
7. ▓▓▓▓
8. Malicious
9. Divergence
10. Competent
11. ▓▓▓▓
12. Inevitable
13. Assumptions
14. To be far-fetched
15. Crucial
16. Exponential progress
17. ▓▓▓▓
18. Unreliable
19. John von Neumann (famous physicist & Mathematician)
20. A spectrum
21. ▓▓▓▓
22. A trillionaire
23. To go berserk
24. ▓▓▓▓
25. Unprecedented power
26. The Simpsons
27. A Manhattan Project
28. ▓▓▓▓

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Can we build AI without losing control over it?

TED TALK: Sam Harris [Jun 2016. 14:27]

1.Introduction: True / False / Not Given

	T / F / NG
i. The lecturer claims we are all worried about A.I in the future	
ii. The lecturer believes A.I ▓▓▓▓▓▓▓▓▓▓▓▓ of us	
iii. The lecturer believes A.I ▓▓▓▓▓▓▓▓▓ world	
iv. Most of us find A.I fun to think about	
v. A.I will cause ▓▓▓▓▓▓▓▓▓	
Vi. We are able to marshal an ▓▓▓▓▓▓▓▓▓ to the future of A.I	

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2. The two doors scenario – short answers

Door 1	
What is behind the 1ˢᵗ door?	**What could stop this from happening?** (2 reasons)
i. _____ _____ _____ _____	i. A full-scale ▓▓▓▓▓▓▓▓▓ ii. _____ iii. _____
The overall point is:	i. to stop A.I .._____ _____

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Door 2	
What is behind the ▓▓▓▓▓▓▓▓▓?	**What will happen?**
i. _____ _____ _____	ii. *If we build machines* ▓▓▓▓▓▓▓▓▓ *than we are,* they will begin to **i**_____ themselves .

A ▓▓▓▓▓▓▓▓▓▓ term:	iii. *Mathematicians call* ▓▓▓▓▓▓▓▓ *being not in control;* "**i**_____ **e**_____" . [2 points]
The main concern is that these competent machines..	iv. could _____ us
Which ▓▓▓▓▓▓▓▓▓ **does he refer to in order to consolidate this point?**	v. _____

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3. Three main assumptions – short answers

Assumption 1	
Idea	**Development**
i. _____ _____ _____	ii. **g**_____ **i**_____ *is when a machine can think flexibly across* ▓▓▓▓▓▓▓▓▓ – [2 points]
Overall point:	iii. *It's crucial to realize that the rate of progress* ▓▓▓▓▓, *because* _____ _____ _____

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Assumption 2	
Idea	**Development**
i. _____ _____ _____	ii. *We* ▓▓▓▓▓▓▓ *our* **u**_____ *as it is a valuable resource.*
Overall point - *We have problems to solve:*	*We want to* ▓▓▓▓▓▓ *like iii)* **c**_____ *and improve our iv)* **c**_____ *science*
Idiom expression: vi. *'the train is* ▓▓▓▓▓▓ *and there's no* **b**_____ *to pull.'*	

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Assumption 3	
Idea	**Development**
i._____ _____ _____	*This is what makes our situation so ii)* ***p_____,*** *and this is what makes our* ▓▓▓▓▓▓▓ *about risk so iii)* ***u_____***
The spectrum of intelligence:	*Machines will iv)* ***e_____*** *this* ▓▓▓▓▓▓▓ *in ways that we can't imagine, and v)* ***e_____*** *us in ways that we* ▓▓▓▓▓▓▓*.*
The virtue of speed in electronic circuits: What do these numbers refer to?	A ▓▓▓▓▓▓▓▓▓▓ faster: vi)_____ ▓▓▓▓▓▓▓▓ years: vii)_____ _____

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4. Summary – [put a suitable word in the gap – first letter of word is provided]

The future with A.I

Imagine the ▓▓▓▓▓▓▓▓▓ a super-intelligent A.I design with no safety concerns. It could redesign itself to be the perfect i) **l_____ - s_____** device. It could end most basic jobs and at the same time many ii) **i_____** jobs too. The main concern is what ▓▓▓▓▓▓▓▓ to the main iii) **e_____** and ▓▓▓▓▓▓▓▓. We would witness wealth ▓▓▓▓▓▓▓▓ and high levels of iv) **u_____** never experienced before. There would be a few v) **t_____** and the rest of us would ▓▓▓▓▓▓▓▓.

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5. Multiple Choice:

i. Russian and Chinese – *choose only one*

a) The Russians and Chinese want to wage war
b) The Russians and ▓▓▓▓▓▓▓▓▓▓ in front of the competition with A.I
c) The Russians and Chinese will do anything to be ▓▓▓▓▓▓▓▓ in A.I
d) ▓▓▓▓▓▓▓

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ii. **One of the most frightening things is...** – *choose only one*

a) A.I researchers are lying about how close they are to ▨▨▨▨▨▨▨▨ A.I.
b) A.I researchers are often telling us super-intelligent A.I is far off and not to worry
c) A.I researchers do not realise ▨▨▨▨▨▨▨▨ it is
d) A.I researchers think we will populate Mars before A.I is ▨▨▨▨▨▨

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iii. Another frightening point is... – *choose only one*

a) We are not ready and have no idea of the ▨▨▨▨▨▨▨
b) We have an urgency to create super-intelligent A.I
c) We are ready ▨▨▨▨▨▨ not for super-intelligent A.I
d) ▨▨▨▨ is not enough time to get ready for super-intelligent A.I

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vi. Implanting A.I technology into our brains (neuroscience) – *choose only one*

a) this is the safest option
b) super-intelligent ▨▨▨▨▨▨ less likely than just basic super-intelligent A.I
c) this technology will help A.I machines share our ▨▨▨▨▨▨
d) all the above

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6. Summary – [put a suitable word in the gap]

<u>Possible solution</u>

A.I will be inevitably built. There is so much to consider when you are creating super-

intelligent ▨▨▨▨▨▨ i) _____ to itself. We need something like a ii)

_____ ▨▨▨▨▨▨ of artificial intelligence especially to avoid an iii)

_____ race. We also need to admit ▨▨▨▨▨▨ of iv) _____

far exceeds what we currently know and we are in the process of building some kind of v)

_____. Is this something we can live with?

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Total score: _____ / 47

<u>Can we build AI without losing control over it</u>? ANSWERS

1.Introduction: T/F/NG

i. The lecturer claims we are all worried about A.I in the future No we think it's fun	F
ii. The lecturer believes A.I will destroy us	T
iii. The lecturer believes A.I will take over the world	NG

ALL ANSWERS IN PAID VERSION…