

Abiturtraining kompakt: Artificial intelligence - paving the way to authoritarianism? (S II)

Ein Beitrag von Waltraud Feger, Siegen



Flexibel einsetzbare Bildimpulse, aktuelle Texte und ein Kurzvideo regen zur Auseinandersetzung mit den Vorteilen künstlicher Intelligenz sowie zu anderen möglichen Risiken an – wenn z. B. die Errungenschaften der künstlichen Intelligenz dafür verwendet werden, demokratische durch autoritäre Gesellschaftsstrukturen zu ersetzen. Geeignete Übungen und Erwartungshorizonte erleichtern die Klausur- und Abiturvorbereitung!

KOMPETENZPROFIL

Klassenstufe: 11/12 (G8), 12/13 (G9)

Dauer: ca. 1–7 Stunden (Klausur: 4–5 Stunden)

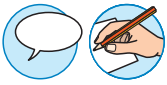
Kompetenzen: 1. Sprechkompetenz: sich (in Partnerarbeit) über Abbildungen austauschen; 2. Hörsehverstehen: einem Kurzvideo zentrale Informationen entnehmen; 3. Lese- und Schreibkompetenz: auf der Grundlage von Zeitungsartikeln Texte zu den Bereichen *summary*, *analysis* und *comment* verfassen; 4. Sprachmittlungskompetenz: die zentralen Inhalte eines deutschen Artikels in die Zielsprache mitteln

Thematische Bereiche: Die Materialien können in eine Unterrichtseinheit zu den Themenbereichen „Science and technology/Visions of the future“ oder „Utopia/dystopia“ integriert werden.

Material: Einstiegsimpulse (Grafik, Fotos), Kurzvideo, Klausurvorschlag

M 1

Artificial intelligence at a glance



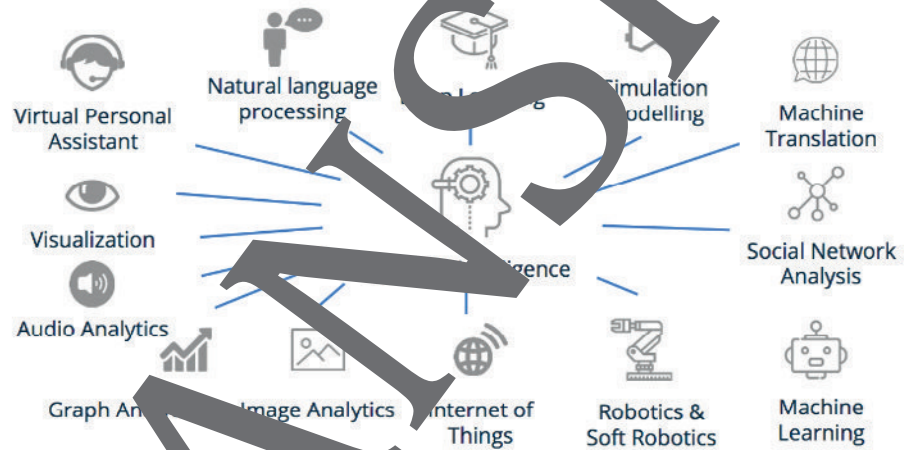
Task

Work with a partner.

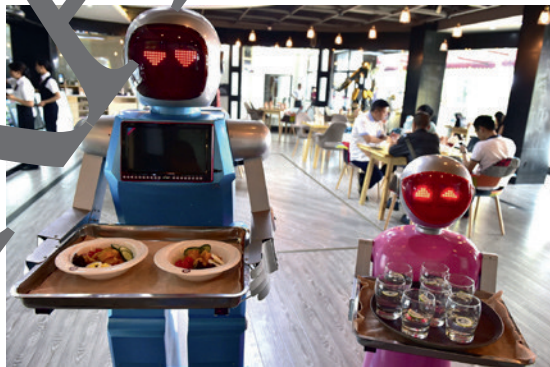
- Talk about which of the following areas of application for AI (picture 1) you have come across.
- Find several examples of their applications and discuss their positive and negative implications. Take notes.
- Have a look at pictures 2 to 10 for help and match them to the respective categories.
- Present your points to the class.

1

Possible applications for Artificial Intelligence

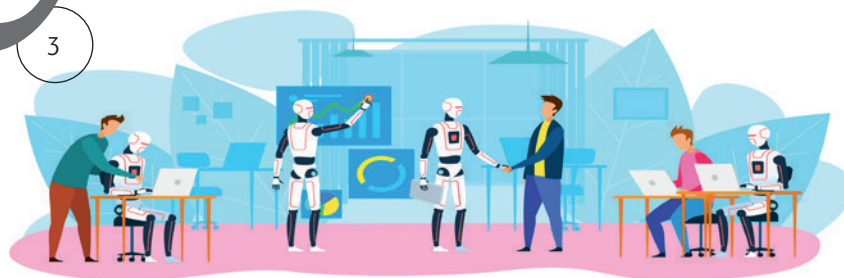


source statista via @mikequindazzi



Source: <https://brainstothefuture.org/tag/store-of-the-future/>

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M 2

Audio-visual comprehension: Is the USA losing its lead in artificial intelligence to China?



Working with a video

Is the USA losing its lead in artificial intelligence to China? https://www.youtube.com/watch?v=JyYPuYM_sW8
 Published on 01/04/2019 by CNA (Channel NewsAsia – an English broadcast from Singapore)

CNA TV: Channel NewsAsia broadcast in English, based in Singapore – **Alibaba:** the biggest supplier worldwide based in China – **(to) foster:** here: (to) encourage, (to) promote – **(to) have an edge:** (to) have an advantage

Tasks

1. Read the sentences below. Then watch the video. Tick off the right answers.

Statements	true	false
1) Jeremy Koh's report is being announced by a news presenter on CNA TV.		
2) A match is shown between two young Chinese at China Table Tennis Academy.		
3) A post distribution centre of Alibaba's company run by robots is being shown.		
4) A Chinese postman delivers mail while using a robot mobile.		
5) In 2016, a report said that the USA had surpassed China in AI.		
6) Two small robots demonstrate AI, one talks to a human and moves to music.		
7) Melvin Huang of Hina Group thinks that China has many advantages over the USA.		
8) China is about to lose its supremacy in AI, while the USA loses its economic supremacy.		

2. Watch the video a second time. The following statements, which sum up the parts of the text, are not in the correct order. The first statement is (D). Number the other statements in the correct order.

	A	Mike Yang from Singapore University: AI stimulates productivity, economic development and efficiency.
	B	China's rise in AI technologies seen as a threat.
	C	Already in 2016, a U.S. report warned that China had surpassed the USA in the AI sector.
1	D	A TV presenter announces a report on the "Cold War" between China and the USA concerning Artificial intelligence.
	E	With tariffs, the Trump administration targets essential Chinese industries.
	F	AI efficiency demonstrated by a match of table tennis between a human and a robot.
	G	The Chinese president's goal is to foster a trillion dollar AI industry by 2030.
	H	The development of AI could start the fourth industrial revolution.

3. Write a short *YouTube comment on the video*. Point out its strategy.

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