

## LINK DI APPROFONDIMENTO

### APPROFONDIMENTI INTRODUZIONE

Transizione digitale – Scuola futura - PNRR (istruzione.it)  
<https://scuolafutura.pubblica.istruzione.it/didattica-digitale>

Competenze digitali dei docenti: così migliora l'uso delle tecnologie nelle pratiche didattiche – Agenda Digitale

<https://www.agendadigitale.eu/scuola-digitale/competenze-digitali-dei-docenti-cosi-migliora-luso-delle-tecnologie-nelle-pratiche-didattiche/>

Tutto quello che devi sapere sulla teoria dell'apprendimento sociale | Istruzione | Panopto  
(<https://www.panopto.com/it/blog/education-creating-social-learning-strategy-for-hybrid-environment/>)

L'apprendimento collaborativo. Come promuovere la dimensione collaborativa a scuola? Riflessioni a partire dall'esperienza – Tuttoscuola

<https://www.tuttoscuola.com/lapprendimento-collaborativo-come-promuovere-la-dimensione-collaborativa-a-scuola-riflessioni-a-partire-dallesperienza/>

Analfabetismo funzionale e strategie di contrasto: Approcci, sperimentazioni, esperienze europee – fedOA (unina.it)

<http://www.fedoa.unina.it/13439/>

Approfondimenti al report DDI: apprendimento collaborativo (scuoladigitaleliguria.it)

<https://www.scuoladigitaleliguria.it/news-eventi/news/326-report-ddi-apprendimento-collaborativo.html>

AI Will Transform Teaching and Learning. Let's Get it Right. stanford.edu

<https://hai.stanford.edu/news/ai-will-transform-teaching-and-learning-letsget-it-right>

From Calculators to AI: Overcoming Resistance to Technology in Academia | LinkedIn

<https://www.linkedin.com/pulse/from-calculators-ai-overcoming-resistance-technology-academia-daniel/>

AI is the calculator of the 21st century | by Farokh Shahabi | Medium

<https://farokhnotes.medium.com/ai-is-the-calculator-of-the-21st-century-5834b3735dcf>

## APPROFONDIMENTI CAPITOLO 1

Alan Turing: il padre dell'intelligenza artificiale

<https://www.intelligenzaartificialeitalia.net/post/alan-turing-il-padre-dell-intelligenza-artificiale-ia>

Test di Turing: cos'è, come funziona e quali robot lo superano – AI4Business

<https://www.ai4business.it/intelligenza-artificiale/test-di-turing-tutto-quello-che-bisogna-sapere/>

Alan Turing e Ludwig Wittgenstein: quando i codici della comunicazione sono un enigma – Il Superuovo

<https://www.ilsuperuovo.it/alan-turing-e-ludwig-wittgenstein-quando-il-linguaggio-della-comunicazione-e-un-enigma/>

Algoritmi e programmi (unife.it)

<https://www.unife.it/scienze/informatica/insegnamenti/programmazione-e-laboratorio/materiale-didattico-anni-precedenti/materiale-didattico-a-a-2016-17/diapositive/010-algoritmi-e-programmi>

Cos'è un algoritmo in matematica e informatica: quello che devi sapere(unicusano.it)

<https://www.unicusano.it/blog/didattica/corsi/cose-un-algoritmo/>

Circuito logico in “Enciclopedia della Matematica” (treccani.it)

[https://www.treccani.it/enciclopedia/circuito-logico\\_%28Enciclopedia-della-Matematica%29/](https://www.treccani.it/enciclopedia/circuito-logico_%28Enciclopedia-della-Matematica%29/)

Shannon in “Enciclopedia della Matematica” (treccani.it)

[https://www.treccani.it/enciclopedia/shannon\\_\(Enciclopedia-della-Matematica\)](https://www.treccani.it/enciclopedia/shannon_(Enciclopedia-della-Matematica))

Konrad Zuse definisce il Plankalkül (storia-software.it)

<https://www.storia-software.it/1945-05-konrad-zuse-definisce-il-plankalkuel/>

Harvard Mark I – Wikipedia

[https://it.wikipedia.org/wiki/Harvard\\_Mark\\_I](https://it.wikipedia.org/wiki/Harvard_Mark_I)

George Stibitz – Wikipedia

[https://it.wikipedia.org/wiki/George\\_Stibitz](https://it.wikipedia.org/wiki/George_Stibitz)

Dagli algoritmi al software (uniud.it)

[http://nid.dimi.uniud.it/computing\\_history/handouts/evoluzione\\_tecnologie\\_computer.pdf](http://nid.dimi.uniud.it/computing_history/handouts/evoluzione_tecnologie_computer.pdf)

Sistemi esperti in “Enciclopedia Italiana” (treccani.it)

[https://www.treccani.it/enciclopedia/sistemi-esperti\\_%28Enciclopedia-Italiana%29/](https://www.treccani.it/enciclopedia/sistemi-esperti_%28Enciclopedia-Italiana%29/)

Motore inferenziale in “Enciclopedia della Matematica” (treccani.it)

[https://www.treccani.it/enciclopedia/motore-inferenziale\\_%28Enciclopedia-della-Matematica%29/](https://www.treccani.it/enciclopedia/motore-inferenziale_%28Enciclopedia-della-Matematica%29/)

Sistemi esperti in “Enciclopedia Italiana” (treccani.it)

[https://www.treccani.it/enciclopedia/sistemi-esperti\\_%28Enciclopedia-Italiana%29/](https://www.treccani.it/enciclopedia/sistemi-esperti_%28Enciclopedia-Italiana%29/)

The Man Who Built The Chess Machine – Chess.com

<https://www.chess.com/article/view/the-man-who-built-the-chess-machine>

Brute Force Attack: Cos'è e Tipologie di Attacco | Proofpoint IT

<https://www.proofpoint.com/it/threat-reference/brute-force-attack>

Illiac Suite – Musica Informatica

<https://www.musicainformatica.it/argomenti/illiac-suite.php>

Musicomp – Musica Informatica

<https://www.musicainformatica.it/argomenti/musicomp.php>

Le voci dell'AI – Episodio 06: Effetto Eliza, innamorarsi di un'AI (01net.it)

<https://www.01net.it/le-voci-dellai-episodio-06-effetto-eliza-innamorarsi-di-unai/>

Eliza, a chatbot therapist (njit.edu)

<https://web.njit.edu/~ronkowit/eliza.html>

Margaret Masterman (aclanthology.org)

<https://aclanthology.org/www.mtarchive.info/CL-1987-Kay.pdf>

Algebra booleana (Andrea Minini)

<https://www.andreaminini.org/matematica/algebra-booleana/>

Ferranti Mark 1 – Wikipedia

[https://it.wikipedia.org/wiki/Ferranti\\_Mark\\_1](https://it.wikipedia.org/wiki/Ferranti_Mark_1)

Marvin Minsky – Wikipedia

[https://it.wikipedia.org/wiki/Marvin\\_Minsky](https://it.wikipedia.org/wiki/Marvin_Minsky)

John McCarthy – Wikipedia

[https://it.wikipedia.org/wiki/John\\_McCarthy](https://it.wikipedia.org/wiki/John_McCarthy)

Allen Newell – Wikipedia

[https://it.wikipedia.org/wiki/Allen\\_Newell](https://it.wikipedia.org/wiki/Allen_Newell)

Herbert Simon – Wikipedia

[https://it.wikipedia.org/wiki/Herbert\\_Simon](https://it.wikipedia.org/wiki/Herbert_Simon)

Frank Rosenblatt – Wikipedia

[https://en.wikipedia.org/wiki/Frank\\_Rosenblatt](https://en.wikipedia.org/wiki/Frank_Rosenblatt)

Seymour Papert – Wikipedia

[https://en.wikipedia.org/wiki/Seymour\\_Papert](https://en.wikipedia.org/wiki/Seymour_Papert)

AI winter – Wikipedia

[https://en.wikipedia.org/wiki/AI\\_winter](https://en.wikipedia.org/wiki/AI_winter)

A Brief History of Deep Learning – DATAVERSITY

<https://www.dataversity.net/brief-history-deep-learning/>

Cosa sono le reti neurali ricorrenti? | IBM

<https://www.ibm.com/it-it/topics/recurrent-neural-networks>

[1706.03762] Attention Is All You Need (arxiv.org)

<https://arxiv.org/abs/1706.03762>

How Does Attention Work in Encoder-Decoder Recurrent Neural Networks– MachineLearningMastery.com

<https://machinelearningmastery.com/how-does-attention-work-in-encoder-decoder-recurrent-neural-networks/>

Word embedding – Wikipedia

[https://it.wikipedia.org/wiki/Word\\_embedding](https://it.wikipedia.org/wiki/Word_embedding)

Semantica distribuzionale – Wikipedia

[https://it.wikipedia.org/wiki/Semantica\\_distribuzionale](https://it.wikipedia.org/wiki/Semantica_distribuzionale)

Modelli Generativi: Variational Autoencoders (VAE) e Generative Adversarial Networks (GAN) · Antonino Furnari

<https://www.antoninofurnari.it/lecture-notes/it/data-science-python/generative-models/>

An Introduction to VAE-GANs | vae-gan – Weights & Biases (wandb.ai)

<https://wandb.ai/shambhavicodes/vae-gan/reports/An-Introduction-to-VAE-GANs--VmlldzoXMTcxMjM5>

Capire il BERT – Elaborazione del linguaggio naturale – DATA SCIENCE

<https://datascience.eu/it/elaborazione-del-linguaggio-naturale/capire-il-bert/>

Cos'è Bert, l'algoritmo che cambia il mondo del Natural Language Processing– AI4Business

<https://www.ai4business.it/intelligenza-artificiale/cosebort-lalgoritmo-che-cambia-il-mondo-del-natural-language-processing/>

Machine Learning: Transformers e BERT in 5 minuti | by Diego Calanzone | Medium

<https://medium.com/@diegocalanzone/machine-learning-transformers-e-bert-in-5-minuti-f000792f0845>

Machine learning – What are the 175 billion parameters used in the GPT-3 language model? – Computer Science Stack Exchange

<https://cs.stackexchange.com/questions/156130/what-are-the-175-billion-parameters-used-in-the-gpt-3-language-model>

ChatGPT's OpenAI Hired Tons of Ex-Google, Meta Staff, Per New Data (businessinsider.com)

<https://www.businessinsider.com/chatgpt-openai-microsoft-hired-former-google-meta-apple-tesla-staff-2023-2?r=US&IR=T>

Research shows AI is often biased. Here's how to make algorithms work for all of us | World Economic Forum (weforum.org)

<https://www.weforum.org/agenda/2021/07/ai-machine-learning-bias-discrimination/>

Real-life Examples of Discriminating Artificial Intelligence | by Terence Shin | Towards Data Science

<https://towardsdatascience.com/real-life-examples-of-discriminating-artificial-intelligence-cae395a90070>

Cos'è l'allucinazione di cui soffrono le IA generative – ilGiornale.it

<https://www.ilgiornale.it/news/nuove-frontiere/cos-l-allucinazione-cui-soffrono-iagenerative-2193377.html>

Quick Concepts: Jailbreaking (innodata.com)

<https://innodata.com/quickconcepts-jailbreaking/>

The Artificial Intelligence Act

<https://artificialintelligenceact.eu/>

Il Giappone lancia le linee guida sulla governance dell'AI – AI4Business

<https://www.ai4business.it/intelligenza-artificiale/le-linee-guida-del-giappone-sulla-governance-dellai/>

What is artificial intelligence and how is it used? | News | European Parliament (europa.eu)

<https://www.europarl.europa.eu/news/en/headlines/soci-ety/20200827STO85804/what-is-artificial-intelligence-and-how-is-it-used>

AI Act: con il voto del Parlamento l'UE traccia il futuro dell'Intelligenza Artificiale(altalex.com)

<https://www.altalex.com/documents/news/2023/06/23/ai-act-ue-traccia-futuro-intelligenza-artificiale>

Japan's Approach to AI Regulation and Its Impact on the 2023 G7 Presidency(csis.org)

<https://www.csis.org/analysis/japans-approach-ai-regulationand-its-impact-2023-g7-presidency>

Pause Giant AI Experiments: An Open Letter – Future of Life Institute

<https://futureoflife.org/open-letter/pause-giant-ai-experiments/>

Pause Giant AI Experiments: An Open Letter – Wikipedia

[https://en.wikipedia.org/wiki/Pause\\_Giant\\_AI\\_Experiments:\\_An\\_Open\\_Letter](https://en.wikipedia.org/wiki/Pause_Giant_AI_Experiments:_An_Open_Letter)

Open letter on artificial intelligence (2015) – Wikipedia

[https://en.wikipedia.org/wiki/Open\\_letter\\_on\\_artificial\\_intelligence\\_\(2015\)](https://en.wikipedia.org/wiki/Open_letter_on_artificial_intelligence_(2015))

OpenAI – Wikipedia

<https://it.wikipedia.org/wiki/OpenAI>

Elon Musk starebbe progettando una startup di intelligenza artificiale per rivaleggiare con il produttore di ChatGPT OpenAI (cointelegraph.com)

<https://it.cointelegraph.com/news/elon-musk-reportedly-plans-ai-start-up-to-rivalchatgpt-maker-openai>

FACT SHEET: Biden-Harris Administration Secures Voluntary Commitments from Eight Additional Artificial Intelligence Companies to Manage the Risks Posed by AI | The White House

<https://www.whitehouse.gov/briefing-room/statements-releases/2023/09/12/fact-sheet-biden-harris-administration-secures-voluntary-commitments-from-eight-additional-artificial-intelligence-companies-to-manage-the-risks-posed-by-ai/>

Minaccia? Opportunità? Il tour europeo di Sam Altman, l'uomo di ChatGPT | Il Foglio

<https://www.ilfoglio.it/tecnologia/2023/06/03/news/minaccia-opportunita-il-tour-europeo-di-sam-altman-l-uomo-di-chatgpt-5342074/>

Intelligenza Artificiale: l'Italia lancia la strategia nazionale | Ministero dell'Università e della Ricerca (mur.gov.it)

<https://www.mur.gov.it/it/news/giovedi-25112021/intelligenza-artificiale-litalia-lancia-la-strategia-nazionale>

Quanto impatta l'intelligenza artificiale come emissioni di Co2? – FpS Share

<https://fpsshare.it/intelligenza-artificiale-emissioni/>

Il costo energetico della conoscenza: ecco l'impatto dell'IA sull'ambiente – Agenda Digitale

<https://www.agendadigitale.eu/smart-city/il-costo-energetico-della-conoscenza-ecco-limpatto-dellia-sullambiente/>

Il consumo di acqua dei data center sta diventando un problema Materia Rinnovabile | Renewable Matter

<https://www.renewablematter.eu/articoli/article/il-consumo-di-acqua-dei-data-center-sta-diventando-un-problema>

The EU's Artificial Intelligence Act, explained | World Economic Forum(weforum.org)

<https://www.weforum.org/agenda/2023/06/european-unionai-act-explained/>

AI Act: lo stato della normativa comunitaria in materia di intelligenza artificiale– Cyber Security 360

<https://www.cybersecurity360.it/legal/ai-act-lo-stato-della-normativa-comunitaria-in-materia-di-intelligenza-artificiale/>

FACT SHEET: Biden-Harris Administration Secures Voluntary Commitments from Leading Artificial Intelligence Companies to Manage the Risks Posed by AI | The White House

<https://www.whitehouse.gov/briefing-room/statements-releases/2023/07/21/fact-sheet-biden-harris-administration-secures-voluntary-commitments-from-leading-artificial-intelligence-companies-to-manage-the-risks-posed-by-ai/>

Assistenti digitali (Smart Assistant) – Garante Privacy

<https://www.garanteprivacy.it/temi/assistenti-digitali>

Assistente virtuale – Wikipedia

[https://it.wikipedia.org/wiki/Assistente\\_virtuale](https://it.wikipedia.org/wiki/Assistente_virtuale)



Amazon Alexa sarà più intelligente con l'IA generativa | Tutte le novità (hdblog.it)

<https://www.hdblog.it/amazon/articoli/n573802/alexa-intelligente-ia-generativa-amazon/>

OpenAI – Wikipedia

<https://en.wikipedia.org/wiki/OpenAI>

Introducing ChatGPT (openai.com)

<https://openai.com/blog/chatgpt>

Microsoft's ChatGPT-powered Bing is open for everyone to try starting today– The Verge

<https://www.theverge.com/2023/2/7/23589587/microsoftchatgpt-bing-ai-event-preview>

OpenAI announces GPT-4 AI language model – The Verge

<https://www.theverge.com/2023/3/14/23638033/openai-gpt-4-chatgpt-multimodal-deeplearning>

GPT-4 – Wikipedia

<https://en.wikipedia.org/wiki/GPT-4>

Introducing ChatGPT Plus (openai.com)

<https://openai.com/blog/chatgptplus>

Google Bard – Wikipedia

[https://it.wikipedia.org/wiki/Google\\_Bard](https://it.wikipedia.org/wiki/Google_Bard)

What is Google LaMDA? The web giant's ChatGPT rival, Bard, is nearing launch | Evening Standard

<https://www.standard.co.uk/tech/bard-googlelamda-ai-chatbot-chatgpt-rival-launch-date-b1058315.html>

Anthropic – Wikipedia

<https://en.wikipedia.org/wiki/Anthropic>

Anthropic \ Introducing Claude

<https://www.anthropic.com/index/introducing-claude>

Anthropic \ Claude 2

<https://www.anthropic.com/index/claude-2>

Anthropic \ Claude's Constitution

<https://www.anthropic.com/index/claudes-constitution>

India AI Home

<https://indiaai.gov.in/>

Trasparenza dell'intelligenza artificiale: l'open source può essere la chiave –Agenda Digitale

<https://www.agendadigitale.eu/cultura-digitale/trasparenza-dellintelligenza-artificiale-lopen-source-puo-essere-la-chiave/>

The Myth of 'Open Source' AI | WIRED

<https://www.wired.com/story/themyth-of-open-source-ai/>

LaLetteraAIC\_05\_2023\_Contributo\_introduttivo.pdf (associazioneideicostituzionalisti.it)

[https://www.associazioneideicostituzionalisti.it/images/LaLettera/LaLetteraAIC\\_05\\_2023\\_Contributo\\_introduttivo.pdf](https://www.associazioneideicostituzionalisti.it/images/LaLettera/LaLetteraAIC_05_2023_Contributo_introduttivo.pdf)

L'intelligenza Artificiale in Costituzione: così la Francia detta la linea – Agenda Digitale

<https://www.agendadigitale.eu/cultura-digitale/lintelligenza-artificiale-in-costituzione-cosi-la-francia-detta-la-linea/>

Intelligenza artificiale, perché non dobbiamo temere la super Ai | Wired Italia

<https://www.wired.it/article/intelligenza-artificiale-yann-lecun-meta/>

## APPROFONDIMENTI CAPITOLO 2

L'uso dell'intelligenza artificiale nell'apprendimento e nell'insegnamento: primi passi e feedback | ESEP (europa.eu)

<https://school-education.ec.europa.eu/it/insights/practices/use-ai-learning-and-teaching>

L'intelligenza artificiale al servizio dell'istruzione: educare tutti e meglio -Agenda Digitale

<https://www.agendadigitale.eu/scuola-digitale/lintelligenza-artificiale-al-servizio-dellistruzione-educare-tutti-e-meglio/>

Get Schooled by AI: Use cases of Chatbots for Education – Acquire

<https://acquire.io/blog/use-cases-of-chatbots-for-education>

Le differenze tra apprendimento adattivo e personalizzato (dyndevic.com)

<https://www.dyndevic.com/it/news/le-differenze-tra-apprendimento-adattivo-personalizzato-ELN-1964/>

Cosa sono gli algoritmi di raccomandazione? - AI news

<https://ainews.it/cosa-sono-gli-algoritmi-di-raccomandazione/>

Formazione personalizzata grazie all'intelligenza artificiale, come fare – AgendaDigitale

<https://www.agendadigitale.eu/cultura-digitale/competenze-digitali/intelligenza-artificiale-nella-formazione-la-via-per-lapprendimento-personalizzato/>

Personalized Learning Experiences: Harnessing the Power of AI in Education– TeacherPH

<https://www.teacherph.com/personalized-learning-experiences-ai/>

Così l'intelligenza artificiale personalizza l'apprendimento per i singoli studenti– Il Sole 24 ORE

<https://www.ilsole24ore.com/art/cosi-l-intelligenza-artificiale-personalizza-l-apprendimento-i-singoli-studenti-AFtcQmj>

Atticus: il Latino incontra l'Intelligenza Artificiale – BitMat

<https://www.bitmat.it/portale-bitmat/portale-focus-on/atticus-il-latino-incontra-l-intelligenza-artificiale/>

EvidenceB

<https://www.evidenceb.com/>

Educational Technology: cosa sono, quanto sono diffuse e i vantaggi – AgendaDigitale

<https://www.agendadigitale.eu/scuola-digitale/educational-technology-cosa-sono-quanto-sono-diffuse-e-i-vantaggi/>

Gerda MELNIK-LEROY | PhD in cognitive science | Ecole Normale Supérieure de Paris, Paris | ENS |  
Département d'Etudes Cognitives | Research profile (researchgate.net)

<https://www.researchgate.net/profile/Gerda-Melnik-Leroy>

Artificial Intelligence in Education – CENTURY

<https://www.century.tech/artificial-intelligence/>

Gradescope

<https://www.gradescope.com/>

Adaptiv' Math (adaptivmath.fr)

<https://www.adaptivmath.fr/>

Istruzione in Francia – Wikipedia

[https://it.wikipedia.org/wiki/Istruzione\\_in\\_Francia](https://it.wikipedia.org/wiki/Istruzione_in_Francia)

P2IA – Partenariat d'innovation et d'intelligence artificielle | DRANE (ac-toulouse.fr)

<https://pedagogie.ac-toulouse.fr/drane/p2ia>

About the Project | Revita: Language learning and AI | University of Helsinki

<https://www.helsinki.fi/en/projects/revita-language-learning-and-ai/aboutthe-project>

Lingua in pericolo – Wikipedia

[https://it.wikipedia.org/wiki/Lingua\\_in\\_pericolo](https://it.wikipedia.org/wiki/Lingua_in_pericolo)

The Open University of China awarded UNESCO Prize for its use of AI to empower rural learners | UNESCO

<https://www.unesco.org/en/articles/open-university-china-awarded-unesco-prize-its-use-ai-empower-rural-learners>

How Chatbots Could Be The Future Of Learning – eLearning Industry

<https://elearningindustry.com/chatbots-future-learning>

Apprendimento esperienziale – Wikipedia

[https://it.wikipedia.org/wiki/Apprendimento\\_esperienziale](https://it.wikipedia.org/wiki/Apprendimento_esperienziale)

How does experiential learning encourage active learning in auditing education?– ScienceDirect

<https://www.sciencedirect.com/science/article/abs/pii/S0748575120300701>

Interacting with educational chatbots: A systematic review | Education and Information Technologies (springer.com)

<https://link.springer.com/article/10.1007/s10639-022-11177-3>

Chatbots Allow Educators to Delegate Repetitive Tasks and Focus on Teaching| EdTech Magazine

<https://edtechmagazine.com/k12/article/2021/09/chatbots-allow-educators-delegate-repetitive-tasks-and-focus-teaching>

Bill Gates: A.I. tutors ‘will be like a great high school teacher’ (cnbc.com)

<https://www.cnbc.com/2023/08/15/bill-gates-ai-tutors-will-be-like-a-greathigh-school-teacher.html>

Only a matter of time before AI chatbots are teaching kids in school (cnbc.com)

<https://www.cnbc.com/2023/06/25/only-a-matter-of-time-before-aichatbots-are-teaching-kids-in-school.html>

Chatbot as a teaching tool – IT Teaching Resources (stanford.edu)

<https://teachingresources.stanford.edu/resources/chatbot-as-a-teaching-tool/>

AI Active Learning: Preparing Students for the Jobs of Tomorrow (ts2.space)

<https://ts2.space/en/ai-active-learning-preparing-students-for-the-jobs-of-tomorrow/>

How Chatbots For Education Are Being Used In 2023 – AirDroid

<https://www.airdroid.com/ai-insights/chatbot-for-education/>

MATHia | Carnegie Learning

<https://www.carnegielearning.com/solutions/math/mathia/>

Cognii – Artificial Intelligence for Education and Training

<https://cognii.com/>

Smart Sparrow

<https://www.smartsparrow.com/>

CENTURY, an AI-powered teaching and learning platform | UNESCO

<https://www.unesco.org/en/articles/century-ai-powered-teaching-and-learning-platform>

10 eLearning AI Tools Transforming Education (murf.ai)

<https://murf.ai/resources/best-elearning-tools/>

Home page | Minecraft Education

<https://education.minecraft.net/it-it>

Gamification a scuola: cos'è e come applicarla in classe – TD SYNNEBLOG

<https://blog.tdsynnex.it/gamification-a-scuola-cos-e-come-applicarla-in-classe/>

Realtà aumentata e processi di apprendimento: una prospettiva di ricerca «Social Learning Blog»

<https://sociallearning.it/2017/04/19/realta-aumentata-e-processi-di-apprendimento-una-prospettiva-di-ricerca/>

What are the benefits and challenges of using augmented reality in education? (linkedin.com) (pag. 8 della pubblicazione)

[http://www.rivistabricks.it/wp-content/uploads/2017/08/BRICKS\\_1\\_2017.pdf](http://www.rivistabricks.it/wp-content/uploads/2017/08/BRICKS_1_2017.pdf)

Metaverso e didattica: linee guida per la scuola del futuro (tech4future.info)

<https://tech4future.info/metaverso-didattica-scuola-futuro/>

Usare la realtà aumentata nella didattica | Idee per la scuola

<https://ideeperlascuola.it/realta-aumentata-didattica/>

How virtual reality is redefining soft skills training: PwC

<https://www.pwc.com/us/en/tech-effect/emerging-tech/virtual-reality-study.html>

Peer Coaching: Benefits and Best Practices – AIHR

<https://www.aihr.com/blog/peer-coaching/>

Experiential Learning in the Era of Generative AI (trainingindustry.com)

<https://trainingindustry.com/articles/content-development/experientiallearning-in-the-era-of-generative-ai/>

L'IA per rinnovare la scuola, dall'aula alla segreteria: le competenze che servono – Agenda Digitale

<https://www.agendadigitale.eu/scuola-digitale/ia-per-rinnovare-la-scuola-dallaula-alla-segreteria-le-competenze-che-servono/>

Capitolo 2 – Intelligenza artificiale oggi – Libro Bianco IA draft documentazione

[https://libro-bianco-ia.readthedocs.io/it/latest/doc/capitolo\\_2.html](https://libro-bianco-ia.readthedocs.io/it/latest/doc/capitolo_2.html)

L'intelligenza artificiale nella Pubblica Amministrazione – AI4Business

<https://www.ai4business.it/intelligenza-artificiale/lintelligenza-artificiale-nella-pubblica-amministrazione-un-percorso-verso-il-data-management/>

Riconoscimento facciale anche nelle scuole: ecco com'è usato e i problemi di privacy – Agenda Digitale

<https://www.agendadigitale.eu/cultura-digitale/riconoscimento-facciale-anche-nelle-scuole-ecco-come-usato-e-i-problemi-di-privacy/>

Riconoscimento biometrico: cos'è e a cosa serve (namirial.it)

<https://focus.namirial.it/riconoscimento-biometrico/>

Chatbot all'università, ecco gli utilizzi in Italia – Agenda Digitale

<https://www.agendadigitale.eu/cultura-digitale/chatbot-alluniversita-ecco-gli-utilizzi-in-italia/>

Intelligenza artificiale, all'università di Padova il chatbot per gli studenti firmato Ibm – CorCom (corrierecomunicazioni.it)

<https://www.corrierecomunicazioni.it/digital-economy/intelligenza-artificiale-alluniversita-di-padova-il-chatbot-per-gli-studenti-firmato-ibm/>

Task force IA: partecipa alla mappatura dell'Ecosistema Intelligenza Artificiale | Agenzia per l'Italia digitale (agid.gov.it)

<https://www.agid.gov.it/it/agenzia/stampa-e-comunicazione/notizie/2017/12/27/task-force-ia-partecipa-mappatura-dellecosistema-intelligenza-artificiale>

## APPROFONDIMENTI CAPITOLO 3

ChatGPT (openai.com)

<https://openai.com/chatgpt>

Il tuo copilota basato sull'intelligenza artificiale per il Web | Microsoft Bing

<https://www.microsoft.com/it-it/bing>

Product \ Anthropic

<https://www.anthropic.com/product>

Bard (google.com)

<https://bard.google.com/chat>

OpenAI's GPT-4 exhibits "human-level performance" on professional benchmarks | Ars Technica

<https://arstechnica.com/information-technology/2023/03/openai-announces-gpt-4-its-next-generation-ai-language-model/>

List: Here Are the Exams ChatGPT and GPT-4 Have Passed so Far (businessinsider.com)

<https://www.businessinsider.com/list-here-are-the-examschatgpt-has-passed-so-far-2023-1?r=US&IR=T>



L'IA per rinnovare la scuola, dall'aula alla segreteria: le competenze che servono – Agenda Digitale

<https://www.agendadigitale.eu/scuola-digitale/lia-per-rinnovare-la-scuola-dallaula-alla-segreteria-le-competenze-che-servono/>

Formazione personalizzata grazie all'intelligenza artificiale, come fare – AgendaDigitale

<https://www.agendadigitale.eu/cultura-digitale/competenze-digitali/intelligenza-artificiale-nella-formazione-la-via-per-lapprendimento-personalizzato/>

Student Assessment in Teaching and Learning | Center for Teaching | Vanderbilt University

<https://cft.vanderbilt.edu/student-assessment-in-teaching-and-learning/>

Valutazione formativa e valutazione sommativa: tutte le differenze e quale utilizzare(universoscuola.it)

<https://www.universoscuola.it/valutazione-formativa-valutazione-sommativa-differenze-vantaggi-svantaggi.htm>

The Cambridge approach to generative AI and assessment | Cambridge University Press & Assessment

<https://www.cambridge.org/news-and-insights/news/The-Cambridge-approach-to-generative-AI-and-assessment>

An AI-Based System for Formative and Summative Assessment in Data Science Courses | International Journal of Artificial Intelligence in Education (springer.com)

<https://link.springer.com/article/10.1007/s40593-020-00230-2>

Artificial Intelligence for Assessment and Feedback to Enhance Student Success in Higher Education (hindawi.com)

<https://www.hindawi.com/journals/mpe/2022/5215722/>

Lezioni in aula: come renderle interessanti e coinvolgenti – Digital Marketing Blog - Communication Village

<https://www.communicationvillage.com/blogs/2017/06/27/lezioni-aula-renderle-interessanti-coinvolti/>

Realia (education) – Wikipedia

[https://en.wikipedia.org/wiki/Realia\\_%28education%29](https://en.wikipedia.org/wiki/Realia_%28education%29)

Microsoft Word – iasci\_2.docx (itals.it)

<https://www.itals.it/sites/default/files/pdf-bollettino/settembre2019/iasci.pdf>

Come migliorare la didattica con la gamification? – Wibo

<https://wibo.app/2021/04/25/come-migliorare-la-didattica-con-la-gamification/>

Gamification: i principi del gioco per arricchire l'apprendimento – BitMat

<https://www.bitmat.it/news/gamification-i-principi-del-gioco-per-aricchire-lesperienza-di-apprendimento/>

Enhancing critical thinking skills with AI-assisted technology (cambridge.org)

<https://www.cambridge.org/elt/blog/2023/03/30/enhancing-learners-critical-thinking-skills-with-ai-assisted-technology/>

Training di ChatGPT addestramento di modelli di AI – Big Data 4Innovation

<https://www.bigdata4innovation.it/intelligenza-artificiale/training-di-chatgpt-come-vengono-addestrati-i-modelli-di-ai/>

Apprendimento supervisionato – Wikipedia

[https://it.wikipedia.org/wiki/Apprendimento\\_supervisionato](https://it.wikipedia.org/wiki/Apprendimento_supervisionato)

Open source – Wikipedia

[https://it.wikipedia.org/wiki/Open\\_source](https://it.wikipedia.org/wiki/Open_source)

LLaMA 2 cos'è e come utilizzare il chatbot di Meta - AI4Business

<https://www.ai4business.it/news/llama-2-cose-e-come-utilizzare-il-chatbot-opensource-di-meta/>

AI, il prompt engineering non è tutto: ecco l'abilità che conta davvero – AgendaDigitale

<https://www.agendadigitale.eu/cultura-digitale/competenze-digitali/ai-il-prompt-engineering-non-e-tutto-ecco-labilita-che-counta-davvero/>

ChatGPT: What Are Hallucinations And Why Are They A Problem For AISystems | Bernard Marr

<https://bernardmarr.com/chatgpt-what-are-hallucinations-and-why-are-they-a-problem-for-ai-systems/>

What Is an AI Hallucination? | Built In

<https://builtin.com/artificial-intelligence/ai-hallucination>

Stop a ChatGPT in Italia: il Garante della Privacy bacchetta OpenAI(mrw.it)

[https://news.mrw.it/stop-chatgpt-italia-garante-privacy-bacchettaopenai\\_17955.html](https://news.mrw.it/stop-chatgpt-italia-garante-privacy-bacchettaopenai_17955.html)

ChatGPT: OpenAI riapre la piattaforma in Italia garantendo più... – Garante Privacy

<https://www.garanteprivacy.it/home/docweb/-/docweb-display/docweb/9881490>

Microsoft AI researchers mistakenly leaked 38TB of company data (engadget.com)

<https://www.engadget.com/microsoft-ai-researchers-mistakenly-leaked-38tb-of-company-data-094659079.html>

Companies Banning AI Platforms Like ChatGPT in 2023 (tech.co)

<https://tech.co/news/tech-companies-banning-generative-ai>

Piano d'azione per l'istruzione digitale – azione 6 | European Education Area(europa.eu)

<https://education.ec.europa.eu/it/focus-topics/digital-education/action-plan/action-6>

Sistemi educativi europei a confronto | Quali sono i più virtuosi? (lenius.it)

<https://www.lenius.it/sistemi-educativi-europei/>

Un approccio europeo all'intelligenza artificiale | Plasmare il futuro digitale dell'Europa

<https://digital-strategy.ec.europa.eu/it/policies/european-approach-artificial-intelligence>

Orientamenti etici sull'uso dell'intelligenza artificiale e dei dati nell'insegnamento e nell'apprendimento per gli educatori | ESEP (europa.eu)

<https://school-education.ec.europa.eu/it/insights/news/ethical-guidelines-use-artificial-intelligence-and-data>

AI can help to bridge the digital divide and create an inclusive society – AI for Good (itu.int)

<https://aiforgood.itu.int/ai-can-help-to-bridge-the-digitaldivide-and-create-an-inclusive-society/>

Digital divide | Bridging the Gap in Society | Britannica

<https://www.britannica.com/topic/digital-divide>

Digital divide: cos'è il divario digitale e come si affronta in Italia – AgendaDigitale

<https://www.agendadigitale.eu/infrastrutture/il-digital-divide-culturale-e-una-nuova-discriminazione-sociale/>

Nella strategia innovativa dell'India ci sono intelligenza artificiale, blockchain e trasformazione digitale - AI4Business

<https://www.ai4business.it/intelligenza-artificiale/nella-strategia-innovativa-dellindia-ci-sono-intelligenza-artificiale-blockchain-e-trasformazione-digitale/>

AI in India: Initiatives from the Indian Government in 2021 (indiaai.gov.in)

<https://indiaai.gov.in/article/ai-in-india-initiatives-from-the-indian-government-in-2021>

Come l'intelligenza artificiale sta ridisegnando il lavoro – Hbr Italia

<https://www.hbritalia.it/draft/2022/05/02/news/come-lintelligenza-artificiale-sta-ridisegnando-il-lavoro-15268/>

AI-Employment-brief-2021.pdf (oecd.org)

<https://www.oecd.org/future-ofwork/reports-and-data/AI-Employment-brief-2021.pdf>

AI Jobs Statistics 2023 [The Impact on The Job Market] (businessolution.org)

<https://businessolution.org/ai-jobs-statistics/>

The impact of artificial intelligence on growth and employment | CEPR

<https://cepr.org/voxeu/columns/impact-artificial-intelligence-growth-and-employment>

Social media and mental health: The impact on Gen Z | McKinsey

<https://www.mckinsey.com/mhi/our-insights/gen-z-mental-health-the-impact-oftech-and-social-media>

The link between loneliness and technology (apa.org)

<https://www.apa.org/monitor/2019/05/ce-corner-sidebar>

Social network: la salute mentale degli adolescenti è in pericolo? - IPSICO, Firenze

<https://www.ipsico.it/news/social-network-la-salute-mentale-degli-adolescenti-e-in-pericolo/>

Uso problematico dei Social Media: dal costruito alla clinica – Report ECDP(stateofmind.it)

<https://www.stateofmind.it/2021/02/ecdp-2021-report-social-media/>

Technology and Social Isolation in Students | Cengage | Today's Learner

<https://todayslearner.cengage.com/technology-and-social-isolation-minimizing-the-impact-on-students/>

Social Media Usage by Age | FlowingData

<https://flowingdata.com/2022/04/13/social-media-usage-by-age/>

Artificial Intelligence And Its Impact On Mobile Applications (indiumsoftware.com)

<https://www.indiumsoftware.com/blog/artificial-intelligence-in-mobile-app-development/>

How AI Will Improve Customer Experience in 2022 – CleverTap

<https://clevertap.com/blog/ai-customer-experience/>

Chart: How Smartphone Users Benefit From Artificial Intelligence | Statista

<https://www.statista.com/chart/12463/usage-and-awareness-of-ai-applications-on-smartphones/>

Replika, una chatbot per amica – AI4Business

<https://www.ai4business.it/intelligenza-artificiale/replika-una-chatbot-per-amica/>

Intelligenza artificiale, dal Garante privacy stop al chatbot “Replika”.... – Garante Privacy

<https://www.garanteprivacy.it/home/docweb/-/docweb-display/docweb/9852506>

Meta ha lanciato un'infornata di chatbot AI che imitano i vip | Wired Italia

<https://www.wired.it/article/meta-chatbot-che-imitano-vip-assistente-ai/>

AI is changing every aspect of psychology. Here's what to watch for (apa.org)

<https://www.apa.org/monitor/2023/07/psychology-embracing-ai>

Chatbot e psicoterapia: l'intelligenza artificiale per la salute mentale (stateofmind.it)

<https://www.stateofmind.it/2023/09/chatbot-psicoterapia/>

Orientamenti etici sull'uso dell'intelligenza artificiale e dei dati nell'insegnamento e nell'apprendimento per gli educatori | ESEP (europa.eu)

<https://school-education.ec.europa.eu/it/insights/news/ethical-guidelines-use-artificial-intelligence-and-data>

## APPROFONDIMENTI CAPITOLO 4

ChatGPT: opportunities and challenges for education (cam.ac.uk)

<https://www.cam.ac.uk/stories/ChatGPT-and-education>

AI Won't Kill Education—Calculators and Google Didn't Either (weareteachers.com)

<https://www.weareteachers.com/ai-wont-kill-education/>

How Teachers Are Using AI Like ChatGPT in Schools | Time

<https://time.com/6300950/ai-schools-chatgpt-teachers/>

OpenAI Might Go Bankrupt by the End of 2024 (analyticsindiamag.com)

<https://analyticsindiamag.com/openai-might-go-bankrupt-by-the-endof-2024/>

Microsoft invests in and partners with OpenAI to support us building beneficial AGI

<https://openai.com/blog/microsoft-invests-in-and-partners-with-openai>

Microsoft and OpenAI extend partnership – The Official Microsoft Blog

<https://blogs.microsoft.com/blog/2023/01/23/microsoftandopenaiextendpartnership/>

OpenAI Business Model – How OpenAI Makes Money? (businessmodelanalyst.com)

<https://businessmodelanalyst.com/openai-business-model/>

Pricing (openai.com)

<https://openai.com/pricing>

ChatGPT Enterprise (openai.com)

<https://openai.com/enterprise>

GPT-4 vs GPT-3.5: What is Different? (analyticsinsight.net)

<https://www.analyticsinsight.net/gpt-4-vs-gpt-3-5-what-is-different/>

Napoleone: 5 curiosità che forse non conosci! – FocusJunior.it

<https://www.focusjunior.it/scuola/storia/napoleone-5-curiosita-che-forse-non-conosci/>

5 curiosità su Napoleone (tra verità e mito) (fattiperlastoria.it)

<https://www.fattiperlastoria.it/curiosita-su-napoleone-bonaparte/>

5 curiosità su Napoleone (tra verità e mito) – SOUVENIR NAPOLEONIEN– ITALIA

<https://www.souvenirnapoleonien.it/2021/07/06/5-curiosita-su-napoleone-tra-verita-e-mito/>

GPT-4 Parameters: Unlimited guide NLP's Game-Changer | by Mohammed Lubbad | Medium

<https://medium.com/@mlubbad/the-ultimate-guide-to-gpt-4-parameters-everything-you-need-to-know-about-nlps-game-changer-109b8767855a>

Google Bard – Wikipedia

[https://it.wikipedia.org/wiki/Google\\_Bard](https://it.wikipedia.org/wiki/Google_Bard)

Bard, Intelligenza Artificiale di Google che parla italiano: ecco come funziona(pmi.it)

<https://www.pmi.it/tecnologia/software-e-web/416479/bard-come-funziona-intelligenza-artificiale-di-google.html>

Google Bard: interazione con tutte le app, trasparenza e condivisione migliorata– Il Sole 24 ORE

<https://www.ilsole24ore.com/art/oltre-ricerca-google-porta-bard-livello-successivo-AFVYV5u>

Accedere a Bard – Guida di Bard (google.com)

<https://support.google.com/bard/answer/13278668?hl=it>

ChatGPT vs. Bard vs. Claude 2 (Which is best?)

[https://youtu.be/m9Rweuhgtvk?si=GCp\\_mZ5lo9IgfGpo](https://youtu.be/m9Rweuhgtvk?si=GCp_mZ5lo9IgfGpo)

## APPROFONDIMENTI CAPITOLO 5

How To Make A Google Forms Quiz Using ChatGPT - EASY! #Quizalize

[https://youtu.be/OL1h4\\_vTOQk?si=TeBLuRYqWYNhHfIP](https://youtu.be/OL1h4_vTOQk?si=TeBLuRYqWYNhHfIP)

Intelligenza artificiale e psicologia, un binomio possibile: il punto sulle ricerche– Agenda Digitale

<https://www.agendadigitale.eu/cultura-digitale/intelligenza-artificiale-e-psicologia-un-binomio-possibile-il-punto-sulle-ricerche/>

Analisi del sentiment – Wikipedia

[https://it.wikipedia.org/wiki/Analisi\\_del\\_sentiment](https://it.wikipedia.org/wiki/Analisi_del_sentiment)

School is back, and so is ChatGPT | CNN Business

<https://edition.cnn.com/2023/08/19/tech/schools-teaching-chatgpt-students/index.html>

Should Students Have Homework? (wgu.edu)

<https://www.wgu.edu/heyteach/article/should-students-have-homework1808.html>

ChatGPT In Schools: Here's Where It's Banned—And How It Could Potentially Help Students (forbes.com)

<https://www.forbes.com/sites/ariannajohnson/2023/01/18/chatgpt-in-schools-heres-where-its-banned-and-how-it-could-potentially-help-students/>

ChatGPT is going to change education, not destroy it | MIT Technology Review

<https://www.technologyreview.com/2023/04/06/1071059/chatgptchange-not-destroy-education-openai/>



Flashcard – Wikipedia

<https://it.wikipedia.org/wiki/Flashcard>

New AI classifier for indicating AI-written text (openai.com)

<https://openai.com/blog/new-ai-classifier-for-indicating-ai-written-text>

AI Content Detector | AI Detector | ChatGPT Detector – Copyleaks

<https://copyleaks.com/ai-content-detector>

AI Detector & ChatGPT Detector: Verify AI Written Content | OpenAI

<https://chatgptdetector.co/>

## APPROFONDIMENTI CAPITOLO 6

arXiv – Wikipedia

<https://it.wikipedia.org/wiki/ArXiv>

Wolfram|Alpha: Computational Intelligence (wolframalpha.com)

<https://www.wolframalpha.com/>

Guida agli strumenti di AI per la generazione delle immagini – AI4Business

<https://www.ai4business.it/intelligenza-artificiale/guida-agli-strumentidi-ai-per-la-generazione-delle-immagini/>

Ti presentiamo Strumenti magici (canva.com)

[https://www.canva.com/it\\_it/magic/](https://www.canva.com/it_it/magic/)

Stable Diffusion Online (stablediffusionweb.com)

<https://stablediffusionweb.com/>

Stable Diffusion Public Release — Stability AI

<https://stability.ai/blog/stable-diffusion-public-release>

DreamStudio

<https://dreamstudio.com/about/>

Leonardo.ai

<https://leonardo.ai/>

Discord – Wikipedia

<https://it.wikipedia.org/wiki/Discord>

DALL·E 3 (openai.com)

<https://openai.com/dall-e-3>

Future Tools – Find The Exact AI Tool For Your Needs

<https://www.futuretools.io/>

GPTE | Latest AI News, Prompts, Tools, Trends

<https://gpte.ai/>

Futurepedia – The Largest AI Tools Directory | Home

<https://www.futurepedia.io/>

Sharp Startup (<https://sharpstartup.com/>) 15 Best AI Tools ([aitoolhunt.com](https://aitoolhunt.com))

<https://www.aitoolhunt.com/>

NOTA: nel tempo alcuni link potrebbero non risultare più disponibili, nel caso non si trovasse qualcosa che si ritiene particolarmente utile per approfondire, l'autore (contattabile all'indirizzo [info@bonaventuradibello.com](mailto:info@bonaventuradibello.com)) è disponibile ad assistere nel reperimento di eventuali fonti alternative.