

| Recomendados Ene-Mar 2023. Ciencia, Tecnología y Sociedad | | | | | | | |
|---|---|------|---------------------------------|--|---|---|---|
| No | Título | Año | Autor(es) | Afiliación | Abstract | Palabras clave | Link de descarga |
| 1 | Integración de la ingeniería en la educación científico-tecnológica desde un prisma CTS | 2023 | Antonio García-Carmona | Universidad de Sevilla | Presentamos un análisis crítico sobre la integración de la ingeniería en propuestas curriculares del ámbito científico-tecnológico, auspiciada por el movimiento educativo STEM. Para ello, revisamos las | Ámbito científico-tecnológico | https://scholar.google.com/ |
| | | | | | | Educación CTS | |
| | | | | | | Educación STEM | |
| | | | | | | Ingeniería Tecnología | |
| 2 | The Education of Nature of Science in the Internet Era | 2023 | Qing Zhang | Jiangsu Second Normal University | Modern science and technology can not only promote social development for the benefit of mankind but may also cause catastrophic consequences if improperly employed. They are the two sides of the | Pre-Service primary school teachers | https://scholar.google.com/ |
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| 3 | Challenge-Based Learning & STEAM Curriculum | 2023 | Diana Lockwood | University of South Carolina | STEAM education is being integrated into elementary schools as a way to engage more students in creativity, hands-on learning, and problem-based learning also referred to as Challenge-Based-Learning | Constructivist theory | https://scholar.google.com/ |
| | | | | | | Challenge-based learning | |
| | | | | | | STEAM lab | |
| | | | | | | Makerspace Elementary education | |
| 4 | Developing technological pedagogical content knowledge in pre-service science teachers: Support from blended learning | 2012 | Ghaida M. Alayyar | Public Authority of Applied Education and Training | The Technological Pedagogical Content Knowledge (TPACK) framework has been used to prepare pre-service science teachers at the Public Authority of Applied Education and Training in Kuwait for ICT | Blended learning | https://ajet.org.au/ |
| | | | Petra Fisser | University of Twente | | Comparative analysis | |
| | | | Joke Voogt | University of Twente | | Computer assisted instruction | |
| | | | | | | Computer attitudes Computer literacy | |
| 5 | ICT Use in Science and Mathematics Teacher Education in Tanzania: Developing Technological Pedagogical Content Knowledge | 2015 | Ayoub Kafyulilo | Dar es Salaam University of Education | Currently, teacher education colleges in Tanzania are being equipped with computers to prepare teachers who can integrate technology in teaching. Despite these efforts, teachers are not embracing | Technology integration | https://ajet.org.au/ |
| | | | Petra Fisser | National Institute for Curriculum Development | | TPACK | |
| | | | Jules Pieters | University of Twente | | Microteaching | |
| | | | Joke Voogt | University of Amsterdam | | Lesson design Training | |
| 6 | Online Critical Thinking Cycle Model to Improve Pre-service Science Teacher's Critical Thinking Dispositions and Critical Thinking Skills | 2023 | Suyatno Sutoyo | Universitas Negeri Surabaya | Currently critical thinking skills is becoming an important education issue to overcome the challenges of industrial revolution 4.0. Previous studies reported that the pre-service teachers' critical thinking | Critical thinking dispositions | https://scholar.google.com/ |
| | | | Rudiana Agustini | Universitas Negeri Surabaya | | Critical thinking skills | |
| | | | Amiq Fikriyati | Universitas Negeri Surabaya | | Online critical thinking cycle | |
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| 7 | A Participatory Curriculum Approach to ICT-Enabled Education for Sustainability in Higher Education | 2023 | Vassilios Makrakis | Frederick University | This paper explores the ways in which a participatory curriculum planning model could help to address the embedding of an education on sustainability into higher education institutions; this is enabled by | Participatory curriculum development | https://www.mdpi.com/ |
| | | | Nelly Kostoulas-Makrakis | University of Crete | | Capacity building | |
| | | | | | | Sustainable development | |
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| 8 | La corriente antirreflexiva y las noticias falsas: Una mirada en el contexto de la enseñanza de las ciencias | 2023 | Yair Alexander Porrás-Contreras | Universidad Pedagógica Nacional | Las transformaciones en los procesos de construcción del conocimiento científico en las últimas cuatro décadas de la historia, incluyen el surgimiento de diversos horizontes de sentido, metodologías y | Editorial | https://scholar.google.com/ |
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| 9 | Predicting Preservice Science Teachers' TPACK through ICT usage | 2023 | Cansel Kadioğlu-Akbulut | Tokat Gaziosmanpaşa University | Designing effective and efficient learning environments by integrating recent educational technologies into the teaching process has become an important goal of education for nearly two decades. However, | TPACK | https://link.springer.com/ |
| | | | Ayla Cetin-Dindar | Bartın University | | ICTs | |
| | | | Burçin Acar-Şeşen | Istanbul University-Cerrah | | Teacher education | |
| | | | Sevda Küçük | Ataturk University | | Science education | |
| 10 | Inquiry and nature of science in digital spaces | 2023 | John L. Pecore | University of West Florida | Much of the general public struggles with ideas regarding what science is and how science works. Secondary science classrooms provide a place for students to develop critical thinking regarding nature of | | https://scholar.google.com/ |
| | | | Lisa Martin-Hansen | California State University | | | |
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| 11 | Critical thinking skills of chemistry students by integrating design thinking with STEAM-PjBL | 2022 | Lintang Rizkyta Ananda | Universitas Negeri Jakarta | This project seeks to foster students' critical thinking abilities through the incorporation of Design Thinking with STEAM-PjBL in a chemistry redox process. 41 grade 10 students from a high school in | Design thinking | https://scholar.google.com/ |
| | | | Yuli Rahmawati | Universitas Negeri Jakarta | | STEAM-PjBL | |
| | | | Fauzan Khairi | Universiti Teknologi Malay | | Critical thinking | |
| | | | | | | | |
| 12 | El teletrabajo y la gestión del talento humano en las universidades del Ecuador. Experiencias en la Universidad Estatal del Sur de Manabí | 2023 | Karen Briones | Universidad Técnica de Manabí | La presente contribución se basa en componentes importantes del teletrabajo para analizar el proceso de ampliación de su realización en Ecuador, a partir del segundo trimestre de 2020. El estudio | Reparto del tiempo | https://scholar.google.com/ |
| | | | Amelia Bravo | Universidad Técnica de Manabí | | Comportamiento en el trabajo | |
| | | | Inés Zambrano | Universidad Técnica de Manabí | | Determinación y creación de roles | |
| | | | | | | Capital humano | |
| 13 | Las TIC en la enseñanza de la química: Una revisión sistemática | 2022 | Pedro Antonio Layza Candela | Universidad César Vallejo | El objetivo se centra en analizar la enseñanza -en educación básica- de la química mediante el uso de las TIC, para ello se desarrolló una revisión sistemática de la literatura científica publicada entre 2015 y | Educación básica | https://scholar.google.com/ |
| | | | Elba María Andrade Díaz | Universidad San Ignacio de Loyola | | Enseñanza de la química | |
| | | | Gloria Elvira Fabián Sotelo | Universidad San Ignacio de Loyola | | TIC en la educación | |
| | | | Gina Noemí Torres Villanueva | Universidad Tecnológica de Costa Rica | | | |
| 14 | El teletrabajo y el desplazamiento de trabajadores a través de plataformas digitales | 2022 | Carmen Tatay Puchades | Universidad de Valencia | La digitalización de la economía, especialmente en el contexto de la pandemia provocada por la crisis del COVID-19, abre un nuevo escenario de análisis sobre distintas alternativas para regular el | Teletrabajo internacional | https://scholar.google.com/ |
| | | | | | | Servicios digitales | |
| | | | | | | Covid-19 | |
| | | | | | | Desplazamiento de trabajadores | |
| 15 | Influences of Technological Pedagogical Content Knowledge and Self-Efficacy on Technology Integration Practices of Economics Teachers | 2023 | Virsa Aulia | Universitas Sebelas Maret | This study aimed to examine the influences of Technological Pedagogical Content Knowledge (TPACK) and Teacher Self Efficacy (TSE) on the technology integration practices of economics teachers. This study | TPACK | https://scholar.google.com/ |
| | | | Lukman Hakim | Universitas Sebelas Maret | | Teacher self efficacy | |
| | | | Khresna Bayu Sangka | Universitas Sebelas Maret | | Technology integration practices | |
| | | | | | | Economic teachers | |
| 16 | From PCK to TPACK - Supporting student teachers' reflections and use of digital technologies in science teaching | 2022 | Pernilla Nilsson | Halmstad University | Background: This paper builds on the growing focus on learning about teaching science with digital technologies, and the relationship between different elements that constitute teacher knowledge and how | Digitalisation | https://www.tandfonline.com/ |
| | | | | | | Science education | |
| | | | | | | Student teacher | |
| | | | | | | Teacher education | |
| 17 | Technological Pedagogical Content Knowledge: A Framework for Teacher Knowledge | 2006 | Punya Mishra | Michigan State University | Research in the area of educational technology has often been critiqued for a lack of theoretical grounding. In this article we propose a conceptual framework for educational technology by building on | TPACK | https://punyamishra.com/ |
| | | | Matthew J. Koehler | Michigan State University | | Educational environment | |
| | | | | | | Educational technology | |
| | | | | | | Faculty development | |
| | | | | Pedagogical content knowledge | | | |
| | | | | | Teacher characteristics | | |

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| 18 | A survey to investigate pre-service teachers' perceptions of technological pedagogical content knowledge (TPACK) in Indonesia | 2023 | Aodah Diamah | Universitas Negeri Jakarta | In this cross-sectional survey, we investigated pre-service teachers' perceptions of technological pedagogical and content knowledge (TPACK). Purposeful sampling was employed for 208 (64 males, | | https://www.researchgate.net/publication/354111111 |
| | | | Yuli Rahmawati | Universitas Negeri Jakarta | | | |
| | | | Irwanto Irwanto | Universitas Negeri Jakarta | | | |
| | | | Maria Paristiwati | Universitas Negeri Jakarta | | | |
| | | | Ella Fitriani | Universitas Negeri Jakarta | | | |
| 19 | Lecturers' Perception of Technological Pedagogical Content Knowledge in Nigerian Colleges of Education | 2023 | Aina Jacob Kola | Kwara State College of Education | The study investigates lecturers' perception of Technological Pedagogical Content Knowledge (TPACK) in Nigerian Colleges of Education. This is a survey method of research, where a questionnaire was used | Technology | https://www.intechopen.com/publication/proceedings-of-the-2023-international-conference-on-education-and-technology |
| | | | Abdulwasiu Adebayo Azeez | Kwara State College of Education | | Technological knowledge | |
| | | | | | | TPACK | |
| | | | | | | Pedagogical content knowledge | |
| | | | | | | Teacher self-efficacy | |