



Actividades STEM en libros de texto de matemática de 1 y 2 año de educación secundaria en Chile [

2024

text (article)

Analítica

This research aims to analyze the STEM activities proposed in mathematics textbooks for the 1st and 2nd year of Secondary Education. To do this, a qualitative investigation is carried out, using the content analysis technique. A total of 4 Secondary Education textbooks were analyzed, two published by the Ministry of Education and two by a private publisher. The textbook activities were analyzed according to learning axis, STEM discipline, integrated curriculum approach, role of images and skills promoted. A total of 63 STEM activities were analyzed, 45 belonging to public texts and 18 to private texts. Was observed a predominance of the number axis; the science discipline; the connected curricular approach; the contextual role of images; and the skills of processing and analyzing evidence (science), creating (technology), optimizing resources (engineering) and arguing and communicating (mathematics). The need to increase STEM activities in both textbooks is concluded, achieving a balance between the categories

This research aims to analyze the STEM activities proposed in mathematics textbooks for the 1st and 2nd year of Secondary Education. To do this, a qualitative investigation is carried out, using the content analysis technique. A total of 4 Secondary Education textbooks were analyzed, two published by the Ministry of Education and two by a private publisher. The textbook activities were analyzed according to learning axis, STEM discipline, integrated curriculum approach, role of images and skills promoted. A total of 63 STEM activities were analyzed, 45 belonging to public texts and 18 to private texts. Was observed a predominance of the number axis; the science discipline; the connected curricular approach; the contextual role of images; and the skills of processing and analyzing evidence (science), creating (technology), optimizing resources (engineering) and arguing and communicating (mathematics). The need to increase STEM activities in both textbooks is concluded, achieving a balance between the categories

<https://rebiunoda.pro.baratznet.cloud:28443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMzYwMzE0MTc>

Título: Actividades STEM en libros de texto de matemática de 1 y 2 año de educación secundaria en Chile electronic resource].]

Editorial: 2024

Tipo Audiovisual: Libros de texto Actividades Educación STEM Educación Secundaria Textbooks Activities STEM education Secondary Education

Documento fuente: Areté: Revista Digital del Doctorado en Educación de la Universidad Central de Venezuela, ISSN 2443-4566, Vol. 10, N°. 20, 2024, pags. 119-140

Nota general: application/pdf

Restricciones de acceso: Open access content. Open access content star

Condiciones de uso y reproducción: LICENCIA DE USO: Los documentos a texto completo incluidos en Dialnet son de acceso libre y propiedad de sus autores y/o editores. Por tanto, cualquier acto de reproducción, distribución, comunicación pública y/o transformación total o parcial requiere el consentimiento expreso y escrito de aquéllos. Cualquier enlace al texto completo de estos documentos deberá hacerse a través de la URL oficial de éstos en Dialnet. Más información: <https://dialnet.unirioja.es/info/derechosOAI> | INTELLECTUAL PROPERTY RIGHTS STATEMENT: Full text documents hosted by Dialnet are protected by copyright and/or related rights. This digital object is accessible without charge, but its use is subject to the licensing conditions set by its authors or editors. Unless expressly stated otherwise in the licensing conditions, you are free to linking, browsing, printing and making a copy for your own personal purposes. All other acts of reproduction and communication to the public are subject to the licensing conditions expressed by editors and authors and require consent from them. Any link to this document should be made using its official URL in Dialnet. More info: <https://dialnet.unirioja.es/info/derechosOAI>

Lengua: Spanish

Enlace a fuente de información: Areté: Revista Digital del Doctorado en Educación de la Universidad Central de Venezuela, ISSN 2443-4566, Vol. 10, N°. 20, 2024, pags. 119-140

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es