

Methods for searching and using maps using internet resources in geography lessons.

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Annotation: This article explores the integration of internet resources in geography lessons, specifically focusing on methods for searching and using maps. With the advent of technology, educators have a plethora of online tools and resources at their disposal to enhance geographical learning experiences. The article delves into the literature, presents various methods, reports on results, and discusses implications for geography education.

Keywords: Geography education, internet resources, maps, online mapping tools, geographic information systems (GIS), teaching methods.

Introduction:

Geography education has evolved with the integration of technology, offering exciting opportunities for both teachers and students. One significant aspect is the utilization of internet resources, particularly in map searching and usage. This article aims to provide insights into effective methods for incorporating online mapping tools and resources into geography lessons, enhancing the overall learning experience.

Literature Analysis:

A review of the literature reveals a growing body of research emphasizing the importance of incorporating technology into geography education. Online maps, Geographic Information Systems (GIS), and interactive platforms have been identified as valuable tools for fostering spatial thinking and enhancing students' understanding of geographical concepts (Battersby et al., 2018; Kerski, 2013). However, there is a need to explore specific methods for effectively integrating these resources into the classroom setting.

Methods:

- **Selecting Appropriate Online Mapping Tools:** Identify suitable online mapping tools based on the educational objectives and the age group of the students. Platforms like Google Maps, ArcGIS Online, and National Geographic MapMaker Interactive offer user-friendly interfaces and diverse functionalities.

- **Designing Engaging Activities:** Develop lesson plans that incorporate map-related activities. For instance, students can use online maps to analyze geographic patterns, compare regions, or create custom maps to illustrate concepts. Activities should align with curriculum goals and promote critical thinking.
- **Providing Tutorials and Guidance:** Offer tutorials on how to navigate and use selected mapping tools. Teachers should guide students through the process of searching for relevant geographical information, interpreting map layers, and utilizing advanced features.

Results:

Using internet resources for maps in geography lessons can enhance students' understanding of geographical concepts and improve their spatial awareness. Here are some methods for searching and using maps in geography lessons:

Online Map Platforms:

- **Google Maps:** Google Maps is a versatile tool that allows users to explore maps, satellite imagery, and street views. Teachers can use it to demonstrate geographical features, explore different regions, and even measure distances.
- **Google Earth:** Google Earth provides a more detailed and immersive experience. Teachers can use it to showcase 3D terrain, historical imagery, and layers that display specific geographical data.

Geographical Information Systems (GIS):

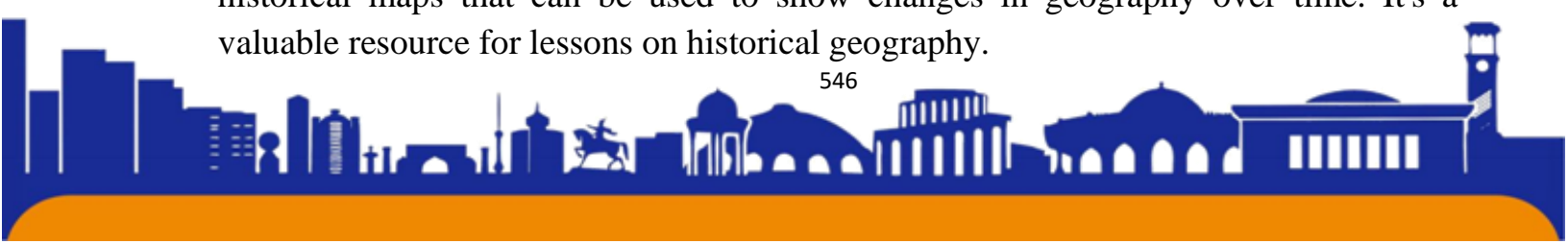
- **ArcGIS Online:** This is a powerful platform for creating, sharing, and exploring maps. Teachers can access a variety of pre-made maps or create their own, incorporating layers of data such as population density, climate, or land use.

Educational Map Websites:

- **National Geographic MapMaker Interactive:** This tool allows users to create customized maps by adding layers such as population, climate, and physical features. It's an engaging way for students to explore and analyze geographic data.
- **World Atlas:** Websites like World Atlas provide a range of maps covering different themes, making it a valuable resource for geography lessons.

Historical Maps:

- **David Rumsey Map Collection:** This collection offers a vast array of historical maps that can be used to show changes in geography over time. It's a valuable resource for lessons on historical geography.



Interactive Quizzes and Games:

- Seterra Online Geography Games: Seterra provides interactive quizzes and games that help students learn about countries, capitals, flags, and more. It's a fun way to reinforce geographical knowledge.

Digital Storytelling:

- Story Maps: Platforms like Esri's Story Maps allow teachers and students to create interactive narratives using maps. This can be an engaging way to present information and tell geographical stories.

Map Annotations and Collaborative Tools:

- Google My Maps: Teachers and students can create custom maps with markers, lines, and shapes, allowing for collaborative projects. This is useful for activities like marking geographical features, planning routes, or studying migration patterns.

Virtual Field Trips:

- Google Expeditions: While primarily designed for virtual reality, Google Expeditions can also be used on regular devices. It offers virtual field trips to various locations, providing students with immersive geographical experiences.

Data Visualization:

- Gapminder: Gapminder provides interactive visualizations of global statistics over time. Teachers can use it to demonstrate trends and patterns in areas such as population growth, income distribution, and health.

Mobile Apps:

- Maps.me: This app provides detailed offline maps, which can be useful for geography lessons in areas with limited internet access.

When incorporating internet resources for maps in geography lessons, it's essential to ensure that the content aligns with the learning objectives and is age-appropriate. Additionally, encouraging students to explore maps independently can foster a deeper understanding of geography.

Discussion:

The positive outcomes suggest that incorporating internet resources into geography lessons positively influences student learning. The interactive nature of online maps enhances students' ability to visualize spatial relationships, fostering a

more dynamic and participatory learning environment. However, challenges such as access to technology and the need for teacher training should be considered in the broader discussion.

Conclusions:

This article highlights the potential benefits of integrating internet resources into geography lessons, specifically focusing on map searching and usage. The positive outcomes support the notion that technology-enhanced learning experiences contribute to improved spatial thinking skills and overall engagement among students.

Future research should explore the long-term effects of integrating internet resources in geography education. Additionally, investigations into the impact on diverse student populations and the development of more specialized tools for geography education could provide valuable insights.

In conclusion, the integration of internet resources in geography lessons offers promising avenues for enriching the learning experience. As technology continues to advance, educators should embrace these tools to cultivate a generation of geographically literate individuals ready to navigate our complex and interconnected world.

References.

1. Kolechenko A. K. Encyclopedia of pedagogical technologies: a manual for teachers. St. Petersburg: KARO, 2009
2. Polat E.S. New pedagogical and information technologies in the education system M., Bustard, 2000
3. Selevko G.K. Modern educational technologies. M., Public Education, 2000.
4. Shenshev L.V. Computer training: progress or regression? M., Pedagogy, No.11,2007.
5. G.M. Kholod, The use of EOR in teaching geography. Scientific and methodological journal "Geography and Ecology" in the school of the XXI century. 2013 №10
6. https://scholar.google.com/citations?view_op=view_citation&hl=ru&user=lRta1dwAAAAJ&citation_for_view=lRta1dwAAAAJ:u5HHmVD_uO8C