

Coin Analysis of Different Era, 3D Printing and Research-Based

Description:

In this Lesson Plan, students will learn the history of Indian coins. The main goal is to learn how coins have changed over time in India. The lesson is packed with exciting activities to make learning enjoyable.

First, students will create a table showing ancient and modern eras of Indian coins and the emperors who ruled during those times. This helps them understand the historical context.

Next, students will search for pictures of old coins and share what they find. This activity makes them focus on the details of these historical artefacts.

A significant part of the lesson involves comparing ancient and modern Indian coins. Students will look at things like the materials, designs, and why these coins were important culturally. It's like being a detective, trying to figure out the story behind each coin.

As a creative exercise, students are tasked with designing a new coin that bridges a specific gap in time, predicting the year it might be introduced. The design of this future coin will be evaluated based on its creativity and feasibility, encouraging students to apply their knowledge in a practical and imaginative way.

To solidify their understanding, students will create a hands-on timeline game that shows how coins have changed in India over time. (This is a physical game to play)

To help with their research and creativity, students will use tools like Thinkarcad, 3D painting, spreadsheets, and Chat GPT. They'll also get to use a 3D printer for an interactive experience.

By the end, students will emerge with a profound appreciation of the history of coinage in India, the ability to critically analyze coins through different eras, and a sense of creativity and innovation in the design of future coin. This module blends traditional and modern learning approaches to provide a holistic educational experience for students.

Objective:

- To understand the history of coin invention.
- To compare ancient and modern coins in India based on materials, design, and their use for trade.
- To explore the unique characteristics and stories of different coins.
- To make predictions about the potential future of coinage in India.

Outcomes:

- Students will gain a deeper understanding of the history of coinage in India.
- They will learn to critically analyse coins based on various criteria in different era.
- Students will explore their creativity in designing a future coin.
- The timeline game will reinforce the historical context of coin evolution.

Student Activities:

Task 1: Create a table listing ancient and modern eras of coins used in India and the emperors of those eras.

Task 2: Research and present pictures of coins from the listed eras.

Task 3: Compare ancient and modern Indian coins based on materials, design, functionality, and cultural significance. Discuss the findings.

Task 4: Design a new coin based on the analysis of modern coins, leaving a gap of a specific period (e.g., 50 years). Explain the design and predict the year it might be introduced.

The design and explanation of the future coin will be assessed for creativity and feasibility

Task 5: Create a timeline game illustrating the evolution of coins in India using physical materials. Incorporate the designed future coin into the timeline.

Application & Equipments:

- The use of Thinkarcad, 3D Painting, spreadsheet, and Chat GPT can enhance the research and presentation aspects of the lesson.
- The physical timeline game and the 3D printer can provide a hands-on and interactive learning experience.