

Storytelling of World Heritage on Water Management

Interactive E-learning curriculum

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Why World Heritage can tell good stories on water management

There are 46 world heritage sites in 31 state parties demonstrate outstanding universal values on water management from different perspectives

- **Urban water management:** Water management System of Augsburg (Germany), Historic City of Ayutthaya (Thailand)
- **Mining water management:** Erzgebirge/Krušnohoří Mining Region, Mines of Rammelsberg, Historic Town of Goslar and Upper Harz Water Management System (Germany), Tarnowskie Góry Lead-Silver-Zinc Mine and its Underground Water Management System (Poland)
- **Agriculture water management:** Mount Qingcheng and the Dujiangyan Irrigation System (China), Cultural Landscape of Honghe Hani Rice Terraces (China), Aflaj Irrigation Systems of Oman (Oman)
- **Marine and Coastal water management:** Ibiza, Biodiversity and Culture (Spain), Venice and its Lagoon (Italy), the Great Barrier Reef (Australia)
- **Water management for Military Services:** Defence Line of Amsterdam (Netherlands)
- **Water transportation:** The Grand Canal (China)...

What is the E-learning Curriculum?

1. Digitalized learning materials on the theme derived from World Heritage
Water, friend and foe of miners at Erzgebirge/Krušnohoří Mining Region

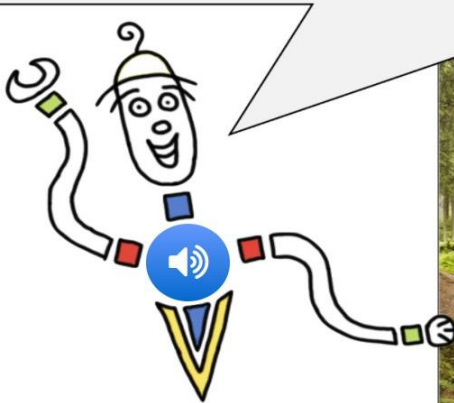
Water as a storyline to introduce values, embedded knowledge and challenges of WHS

- Water use in mining of Erzgebirge/Krušnohoří region
- Water-related technical know-hows and water management developed in different times
- Water in shaping the mining landscape
- Water related challenges: flood, climate change, pollution

What is the E-learning Curriculum?

2. Knowledge transfer of World Heritage sites and local experts

In der Landschaft der Montanregion Erzgebirge/Krušnohoří gibt es viele Hinweise auf die Bedeutung des Wassers im Bergbau. Schau' dir diese Bilder an. Was, meinst du, zeigen sie?



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Water canals at the World Heritage site - Erzgebirge/Krušnohoří
Mining Region: Eibenstock (left) und Ehrenfriedersdorf (right)



Interview with Dr. Hemker (Landesamt für Archäologie)

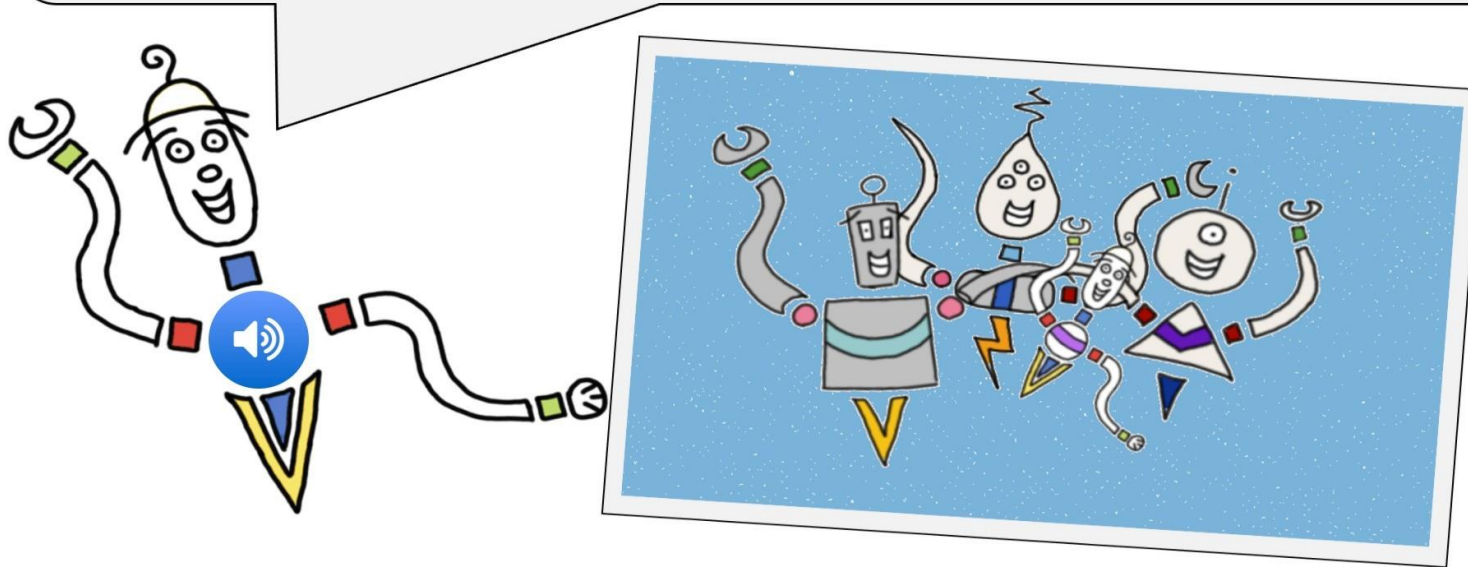
What are Unique Features of the E-learning Curriculum?

1. Storytelling: fun and engaging to assimilate new information

Science fiction figure: Bo from planet Kepler-22b

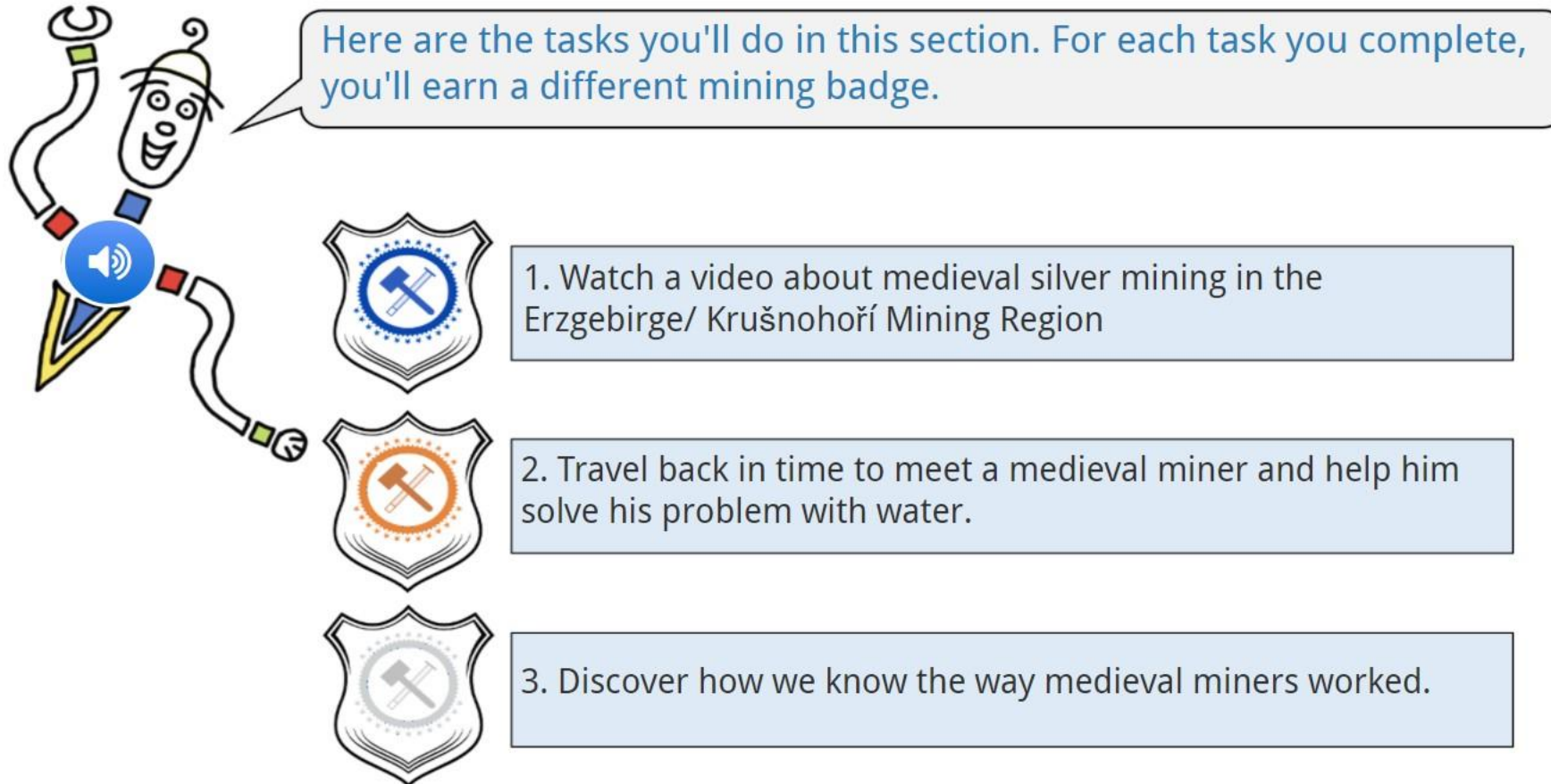
To arouse curiosity, share experience and accompany the learning journey with humor and assistance

Our families are big. For a start, we have 3 parents. You can see mine in this photo. I'm lucky, my parents are quite relaxed. I also have 20 siblings. What's more, we live for a long time by Earth standards. My oldest parent is 3700 years old in your Earth years. I'm 650, which means I'm what you'd call a teenager.



What are Unique Features of the E-learning Curriculum?

2. Gamification: badge system to motivate and track participation



Here are the tasks you'll do in this section. For each task you complete, you'll earn a different mining badge.

1. Watch a video about medieval silver mining in the Erzgebirge/ Krušnohoří Mining Region
2. Travel back in time to meet a medieval miner and help him solve his problem with water.
3. Discover how we know the way medieval miners worked.



Thank you for your attention!

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