Scenario
Giant dinosaurs

University of Bonn, Biology Education

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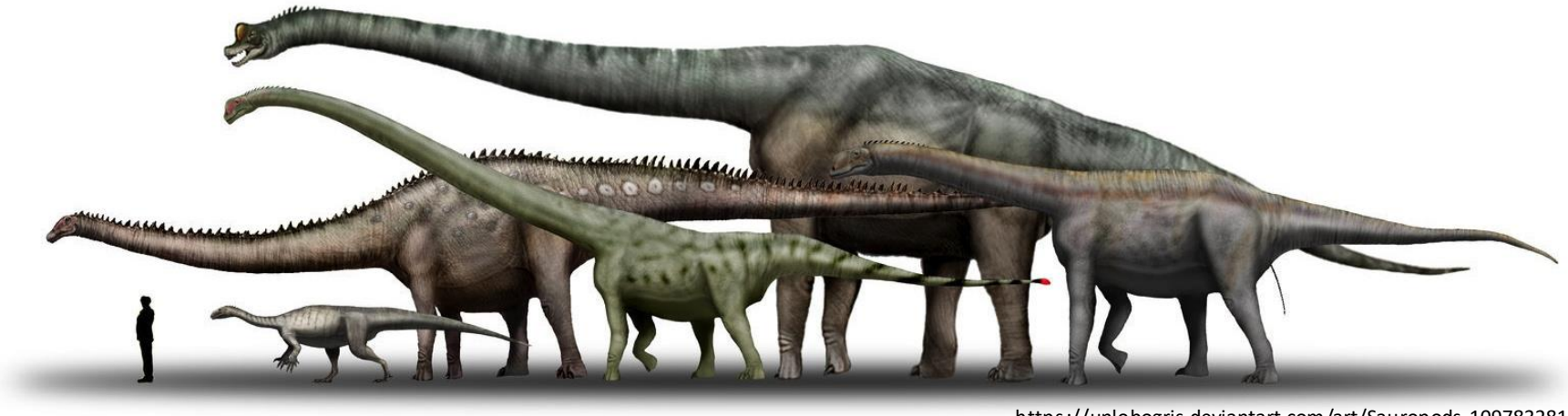
Giant dinosaurs



https://unlobogris.deviantart.com/art/Sauropods-109783281

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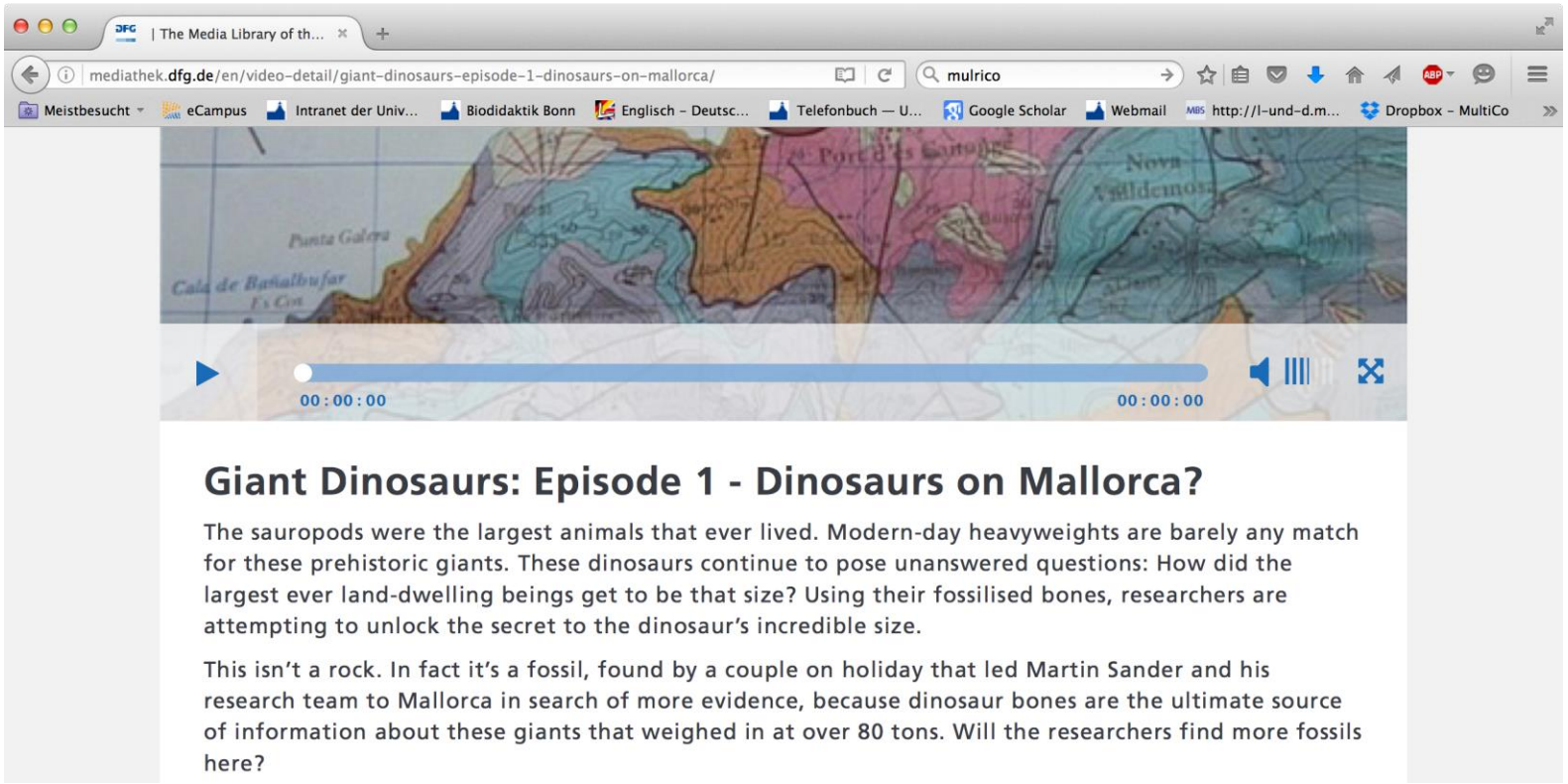
Film:

http://mediathek.dfg.de/en/video-detail/giant-dinosaurs-episode-1-dinosaurs-on-mallorca/



How did sauropods get to be that size?

How can their gigantism be explained?

Inquiry (Science learning) & Consolidation:

Biology (Physics):
Learning content: Evolution, Research in Palaeontology, Gigantism in Sauropods

- **Methods:**

e.g.:

- Students in small groups investigate different aspects of the sauropods gigantism **watching short film episodes** (*10 different episodes available*):
  http://mediathek.dfg.de/en/video-detail/giant-dinosaurs-episode-1-dinosaurs-on-mallorca/
  Students might do some additional internet research and present their findings to the other students in the end
  The film „Giant Dinosaurs: Episode 12 – The Solution to the Mystery" can be used to summarize the findings.
- Discussion: **Why does evolution matter today?**
  Evolution is used to study human impact
  on the environment, health, and agriculture.
  Evolution in our world, e.g.
  - Environment and conservation
  - Agriculture and natural resources
  - Finding useful natural products
  - Human health and medicine
  - Biotechnology
  - Understanding humanity

  http://www.pbs.org/wgbh/evolution/educators/lessons/lesson6/act2.html