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HW 108 ACM Article

“3D printing helps Royal Tyrrell take dinosaur research to next level”

Article: https://www.cbc.ca/news/canada/calgary/3d-printing-royal-tyrrell-dinosaur-research

Paragraphs:

In this article, the author talks about the benefits of 3D printing in paleontological research. To begin, they describe the benefits of being able to create models using computers instead of fragile fossils that have been uncovered. Through the use of imaging and software, the paleontologists at Alberta's Royal Tyrrell Museum have been able to create replicas of the fossils that can be displayed and played with, unlike the unique real fossils. One of the examples the author provides is about studying the brain cavities of dinosaurs. Previously, it required painstaking work to use latex to line the brain cavities and then carefully remove it, to have the shape and size. Now, it can be done relatively easily using 3D printers to print the cavity without risking the specimens in the process. The replicas can be put on display and studied without risk of damaging the irreplaceable actual sample. 3D printing has allowed for huge leaps in the study of dinosaurs and science in general. 3D printing has allowed scientists to recreate invaluable pieces of history.

This article does not address any negative effects of 3D printing in the field of paleontology.