

Project Based Learning: STEM In-Class Activity

Title/Subject: Paleontology, pterosaur anatomy

Category (check all that apply)

<u>Science</u>	<u>Technology</u>	<u>Engineering</u>	<u>Mathematics</u>
X		X	

Adventist Elementary Science Standards:

S.K-2.LS.7; S.3-5.LS.7; S.3-5.LS.9; S.3-5.LS.10; S.3-5.LS.12; S.6-8.LS.12; S.6-8.LS.16; S.6-8.LS.17; S.3-5.ES.11; S.6-8.ES.3

Overview: Participants used various forms of pasta to creatively embody skeletons of a pterosaur with three representative specimen templates to choose from and a true fossil pterosaur on display. This accompanied a presentation from Michael Sprague, LLU Ph.D. student. Children were also provided a folded-paper activity to create their own flying pterosaur, incorporating the models of center of gravity and weight distribution in balancing the model.

Materials: Variety of pasta forms, template for anatomical structure, paste, fishing line, construction paper, and folding template

Results:

