

Bird Nest STEM Challenge



A	Team:	

Plan your nest:

What type of bird might build a nest?

Where might the nest be built?

CHALLENGE:

Design a nest using at least 4 different materials that will fit 3 eggs. It should also hold a marble safely even when you pick up your nest and gently rock it.

Test the materials: which will work in the nest? Add \checkmark or X							
Materials:	Strong?	Flexible ? (bends)	Fills spaces?	Use in Nest?			
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CREATE: Build your nest. Did you have to change materials? Why?

TEST:

Test 1: Do eggs fit below nest rim?

Yes

No

Test 2: Does nest hold together when lifted?

Yes

No

Test 3: Does marble stay in nest when rocked?

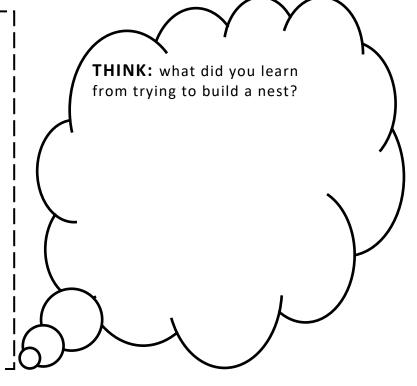
Yes

No

Optional Test 4: Support the weight of 3 chicks and parent Yes No

Total Weight your nest supported (each bird weighs 70g) =

Did you complete the challenge? Are you happy with your design? Did it look like a real bird's nest?



IMPROVE: How would you change your nest if you had more time or materials? Why would this make it better?





