## **Dinosaur**

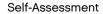


## The Assignment

A small production studio needs a dinosaur for a new film. Although they could use computergenerated images for the dinosaur, the studio has found that true-to-life, full-size moving models of dinosaurs have greater appeal.

The dinosaur must remain stationary; however, parts of it must move as it acts out various scenes.

Your task is to design and make a dinosaur model that has pneumatic movement and will work in a film scene.





Problem Solving Activity:				
Name(s): Date:				
GOALS	BRONZE	SILVER	GOLD	PLATINUM
Design Brief:	• Our design met the	• We met Bronze	• We met Silver	• We met Gold
Understand the problem, develop prototypes to solve it, test those	goals or criteria defined by the activity.	We tested our prototype multiple times.	We made at least two improvements.	We tested at least two different designs.
prototypes and revise your design to make it better.		We made at least one improvement.		<ul> <li>We picked the best design, tested it, and made several improvements.</li> </ul>
Creativity:	We started the activity and have at least one	• We brainstormed two to three ideas.	We brainstormed more than three ideas.	• We brainstormed many ideas.
Come up with inventive and creative solutions to problems. Consider multiple solutions.	possible solution that looks reasonable.	We built a working model to solve the problem.	We built an effective model to solve the problem.	We built and tested prototypes for at least two ideas.
				<ul> <li>We built an original and effective model that solves the problem.</li> </ul>
Collaboration:  Work is shared effectively and the team	We sometimes worked together well but some team members did more work than	We generally worked together well, providing help and support to each other.	We worked together well, providing help and support to each other.	We worked together unusually well, overcoming unexpected obstacles
encourages and helps each other.	others or we needed help from the teacher	• The work was shared	<ul> <li>The work tasks were shared evenly.</li> </ul>	by working together as a team.
	to resolve some disagreements.	fairly evenly among the group members.	We addressed issues that arose.	We actively helped and supported each other.
				We addressed issues that arose with honest, constructive feedback.
Notes:				