

ARCHITECTURE OF COMPLEX SYSTEMS

Project Evaluation: Balsa Wood Glider

By: Tomas Mawyin

Week 1: Systems Thinking

Step 1: Select Your System

Evaluating Balsa Wood Glider

Step 2: Identify System Form and Function

Points: 3

Primary form and function are mentioned. There is an explanation of why the two are selected based on the definition of form and function

Step 3: Identify System Entities

Points: 3

All entities (5 of them) are identified with form and function. All the entities are highlighted in the diagram as required

Step 4: Identify System Relationships

Points: 3

All six entities are identified. There are formal and functional relationships mentioned on the graph with a good explanation on the connection types

Step 5: Predict System Emergence

Points: 3

Both types of emergence are included. There is a good rationale (based on the functional and formal relationships) that led to the different types of emergences.

Step 6: Develop System Decomposition

Points: 3

Decomposition view is shown. Both level 0 and level 1 are included. Five elements exist at level one with the aggregation triangle shown.