

A Missing Limb	
Group Names:	Date:
<p>Problem: Develop a prosthetic limb for a mature female green sea turtle.</p> <p>Details: A fully-grown female green sea turtle (<i>Chelonia mydas</i>) has lost her back right flipper; all that remains is the skin-covered stub of the femur. This appendage is not only used for swimming, but is an important tool for excavating sand during nesting season. The prosthesis must mimic the natural maneuverability (i.e. rigid enough to swim, paddle and steer, but flexible enough to scoop sand) and load bearing capabilities of the left flipper.</p>	
Brainstorm:	
Driving Question(s) <i>From brainstorm</i>	
Inquiry Process/Research and Investigation Plan:	

What questions do we have? What information will we present and how will we present it?

Group Work: *Who is responsible for what? How and when will tasks be completed?*

Group tasks include:

Who is responsible?

What is the product?

When is it due?

**Formative
Assessment and
Feedback:**

Self/Peer

Instructor comments

Describe the driving question and key points

Presentation of final product

Assessment:

Revision:

How will we revise our presentation based on feedback?

Communication: *Sharing your work with others.*

Purpose *Why are we presenting this?*

Audience *To whom are we presenting?*

Presentation Type *How are we presenting our work?*

Impact *What impact could this have?*