MARINE MARVELS: CAREERS BENEATH THE WAVES OCEAN HEROES BOOK PROJECT GUIDELINES

Students will work to develop a book of Ocean Heroes; professions who work to address 1 self-selected threat affecting the ocean or coastal environment in Florida. This will be done throughout lessons 4-6 for each learning cycle.

STEP 1: Research several threats facing the ocean and coasts in Florida. Ideas can come from lessons or be newly introduced to learners through this process:

- Examples:
  - Algae blooms
  - Plastic pollution (macro or microplastics)
  - Plastic ingestion by wildlife
  - Wildlife boat strikes
  - Water quality loss due to runoff
  - Wildlife entanglement on fishing gear
  - Seagrass die-offs
  - Loss of wildlife habitat due to human action
  - Wildlife harassment
  - Any other

STEP 2: Have each student choose the <u>one</u> threat they are worried about the most. They can fill out the Project Organizer at this stage.

STEP 3: Students complete the Ocean Threat Overview page of their Ocean Heroes Book.

- Information includes:
  - What causes the threat.
  - Why it is harmful to the ocean and marine life? (Consider immediate and long term effects)
  - What the ocean would be like if this threat was eliminated.

STEP 4: Students identify 2 different types of professions that can help tackle this threat and complete 1 Ocean Hero Profile for each :

- Information includes:
  - A description of the professions
  - Identifying important tools and skills needed to do the professions
  - How the professions contribute to solving the ocean threat selected
  - Schooling or training involved to do these professions

STEP 6: Students investigate what regular people can do to help tackle the issue at hand, even if they are not marine professionals. They complete the last Ocean Hero Profile using this information!

- Information includes:
  - 3 actions
  - materials needed to take action
  - how each action is helpful

STEP 7: Wrap up each student's Ocean Heroes Book by having students prepare the cover page and binding everything with a hand-made front and back cover kept together by staples or string.