



## Offline Lesson Adaptations Holland Codes and Ocean Careers

These are adaptations to the Ocean Careers and Holland Games lesson created by OSU Science Math and Investigative Learning Experiences (SMILE) program and the Regional Class Research Vessel (RCRV) program funded by the National Science Research Foundation (NSF). The original lesson plan and materials can be found here <https://smile.oregonstate.edu/lesson/ocean-careers-and-holland-games>. The following changes suggest how to adapt the existing middle and high school lesson to meet the needs of distance learners.

### ADAPTATIONS

- 1) **Holland Activities:** The original lesson plan asks learners to complete Holland Activities in a classroom setting. We adapted these activities so learners can do them by themselves while outside of the classroom or with family/friends in small groups. Learners can follow the PowerPoint presentation provided in the lesson learning resources available as part of for the Holland Codes and Ocean careers virtual professional development session and posted on our website.



### Holland Codes and Personality Types: Activities Adaptations

#### Realistic - Do it!

Instructions: Use whatever you can find to build the tallest tower in 60 sec. Record your structures height and the materials you were able to use.

#### Investigative - Figure it out!

Example: Find an item that: 1) you can lift with 1 hand; 2) has more than 2 colors; and 3) isn't made of plastic.

#### Enterprising - Convince me!

Instructions: Think of a fictional character that fits within each category (*Realistic, Investigative, Artistic, Social, Enterprising, and Conventional*). Provide an explanation for why you placed them in their respective categories.

#### Social - Say it!

Instructions: Create a caption for the image.



#### Artistic - Create it!

Example: Find a creative way to represent the concept of "happiness".

#### Conventional - Get it together!

Example: Create a list of 3 items that increase in size but decrease in weight that can be found in your home.

- 2) **Exploring Ocean Careers Offline:** In one activity, the original lesson plan asks learners to compare their Holland Code to ocean careers highlighted on the *Nautilus Live*'s Meet the Team page. To take this activity offline utilize the adapted document created by Oregon State University's Precollege Programs for this virtual professional development session (Holland Codes and Ocean Careers). The document is titled “Offline Interests and Careers Activity Adaptation” and is available in the lesson’s learning resources list here  
<https://precollege.oregonstate.edu/virtual-professional-development-teachers>
- 3) **Paper and Pencil Self-Directed Search (SDS):** The original lesson plan asks learners to explore online Self-Directed Search (SDS) through an online portal. However, using the Interest and Career worksheet provided on this lesson’s learning resources list, learners can take the Holland Code they develop while doing the Holland Activities and compare it to the results of the SDS done through pictorial, Spanish, and/or survey versions provided in the lesson’s learning resources list. The next step of the worksheet asks learners to consider their interests in future careers and “Job Zones”, and then create a list of careers they want to explore. Also included in the worksheet is a brief description of Holland Codes and prompts for learners, parents, and family members to reflect on as they complete the SDS.



To find the original lesson *Ocean Careers and Holland Games* created by [Oregon State University's SMILE program](#) and the [Regional Class Research Vessel \(RCRV\)](#), visit the program page: <https://smile.oregonstate.edu/lesson/ocean-careers-and-holland-games>.

