| **Neuse River Waterdog** | | | | |
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| **Activity Summaries** | | | | |
| **Activity** | **Description** | **Appropriate grade levels** | **Subject area** | **NC Curriculum**  **Correlations** |
| [Food Web Activity](https://drive.google.com/drive/folders/15t-e2tUNNG_-oRPJcZRCq6cgKrGSp1oW?usp=share_link) | Students will understand complexity and connectivity within a riverine ecosystem by learning about the Neuse River Waterdog, creating a food web, and identifying specific reasons for their decline. | 3-8 | Science | 6.L.2, Bio.2.1, 4.L.1 |
| [Lifecycle Activity](https://drive.google.com/drive/folders/1hpG9jWmOtZn9762ZzeaHmslGZoPxo43t?usp=share_link)  (Wanda the Waterdog) | Students match life cycle images and descriptions, then arrange themselves in a timeline to tell the story of the NR Waterdog life cycle. | 4 - 12 | Science  Speaking/Listening | 2.L.1,  SL.3.4 - SL.5.4 |
| [Population Estimate](https://drive.google.com/drive/folders/1kFXU3gFqqb5taTXxYLBS4xW_kT5ieXl3?usp=share_link)  (Counting Dogs) | Estimate the size of a Neuse River Waterdog (simulated) population using the mark-recapture technique and compare the mark and recapture technique to other methods of population estimating. | 6 - 12 | Science  Math | Bio.2.1, NC.7.SP.3, NC.M3.S-IC.4 |
| [Salamander Diversity Sort](https://drive.google.com/drive/folders/1BuxihzdLHwBEXnrkDAgJ--npFUJTC1FX?usp=share_link) | Learn and appreciate the diversity of salamanders in NC. Understand basic biology of salamanders as amphibians.  Practice several NGSS Scientific and Engineering Practices and highlight several NGSS Cross-cutting concepts. | 4-12 | Science | 4.L.1, 5.L.1, 5.L.2, 6.L.2, Bio.2.1 |