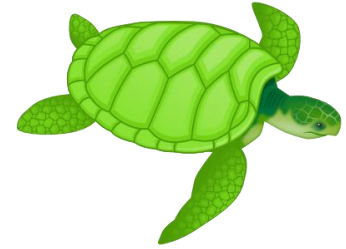


Teacher's Page

Nesting and Hatching



Materials:

- Cut out Turtle ID pieces from the Sea Turtle ID Game Pieces worksheet
- Envelopes for game pieces
- Projector
- Computer – Computers for students
- Overhead projector
- Microsoft Excel
- Cut out Nesting game pieces from the Seven Stages of Nesting Game Pieces worksheet
- Scissors
- Envelopes
- Colored pencils/markers
- Transparency sheets

Documents List:

- ✓ Florida - County overhead worksheet – attached to this document
- ✓ Sea Turtle ID Game Pieces
- ✓ Florida Sea Turtle Nesting Data – student copy
- ✓ Florida Sea Turtle Nesting Data Answers – teacher copy
- ✓ Seven Stages of Nesting Game Pieces

Background Information:

Teachers may want to familiarize themselves with Microsoft Excel in order to help students while they make their graphs. The following website has directions and a video demonstration on how to use Microsoft Excel 2007: <http://office.microsoft.com/en-us/excel/HP012337281033.aspx>

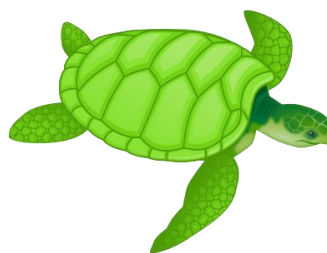
Directions:

1. The best location to carry out this lesson plan would be your school's computer lab, or any room where all students (or groups of students) have access to individual computers.
2. Review the previous lesson on Florida Sea Turtles by playing the Sea Turtle ID game. Cut out turtle pictures and names and place in envelopes. Set-up envelopes ahead of time, make enough envelopes for your students to work in pairs.
3. Have students work together to correctly match up the picture of the sea turtle with its name. Review the correct answers by making an overhead of the same pictures and names, cut them out, and match them as a class using the overhead projector.
4. Once the correct species have been identified, have the students shuffle their pieces and place them back into the envelopes. Have pairs switch envelopes and play a competitive speed round with the students – a prize for the first place finishers may add to the competitive nature of this game.

5. Present students with second portion of Sea Turtle Conservation PowerPoint – see notes section of PowerPoint for more information.
6. Afterwards, hand out and explain the directions for the “Florida Sea Turtles Nesting Data” activity.
7. You may provide the data from the websites listed on the worksheet, or have the students look up the information themselves.
8. Have the students color in the counties corresponding to the nesting data for each species of sea turtle. You may want to make a copy of the Florida County Map for each pair of students in your class, or make an overhead copy of the County Map and project it for the entire class to reference. (Florida County Map attached to this document.)
9. Once they have completed coloring in the maps, they will then create an Excel spreadsheet and graph using the same data (see “Florida Sea Turtles Nesting Data/Answers” for further directions) – students should also complete analysis questions at this time.
10. After the students have completed and printed out their graphs, they may practice identifying the Seven Stages of Nesting using the game pieces provided. (Set up is identical to the Sea Turtle ID Game activity.) If time permits – play a speed round.

Fun Ideas

- Once the students can ID the turtles (let them practice with partners and review correct answers) it is fun to make this game into a challenge to see which group can correctly ID the turtles first. Have them shuffle the pictures and names and place them back into the envelopes for round 2 – before beginning, have the students swap envelopes...this prevents any students stacking the “cards” in their favor from having an advantage.
- Allow students to design and create unique graphs by choosing their own color and font styles.



Florida County Map

Overhead

