



# SPEAK FOR THE TREES, Boston

TreeBoston.org | @Trees\_Boston | trees@treeboston.org

## Speak for the Trees Tree ID Scavenger Hunt with TESA

**Grades:** 7th - 12th

**Setting:** Indoor and Outdoor

**Purpose of Lesson:** Students will be able to learn how to use the programming of TESA to identify the trees in their school neighborhood.

**Essential Questions:**

- What is TESA?
- How could we use TESA to learn about trees in Boston?
- What are some trees in our community?

**Materials:** Any technological device (phone, laptop, iPad), paper to record notes, pencils, map

**Program Session Schedule [~90mins]:**

Self Introduction & Group Check-ins: 10 mins

Icebreaker: 15 mins

Discussion of lesson topic: 20 mins

Activity: 30 mins

Review & Wrap-Up: 10 mins

### Lesson Implementation

**Self Introduction & Group-Check-ins (10 mins):** Take this time to introduce ourselves and our organization. Who we are, what we do, and our goal for today's lesson. Use this time to let the students share their names and grades as well.

**Icebreaker (15 mins):** Hot Seat

This fun game is a lot like the game show Password. Split your class into two teams and have them sit together in teams facing the whiteboard or chalkboard. Then take an empty chair—one for each team—and put it at the front of the class, facing the team members. These chairs are the “hot seats.” Choose one volunteer from each team to come up and sit in the “hot seat,” facing their teammates with their back to the board.

Prepare a list of vocabulary words to use for the game. Choose one and write it clearly on the board. Each team will take turns trying to get their teammate in the hot seat to guess the word, using synonyms, antonyms, definitions, etc. Make sure team members work together so that each member has a chance to provide clues.

The student in the hot seat listens to their teammates and tries to guess the word. The first hot-seat student to say the word wins a point for their team. Once the word is successfully guessed, a new student from each team sits in the hot seat, and a new round begins with a different word.



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**Guided Discussion (20 mins):** Students will learn how to use the programming website called TESA (Tree Equity Score Analyzer).

\*Questions to answer in this discussion using the Google Slides and showcasing the website TESA:

1. What is TESA?
  - TESA, Tree Equity Score Analyzer, is an online free website that allows individuals to explore, gather data, support, and identify trees in neighborhoods throughout Boston.
  - Many individuals use TESA as a resource to ask questions, explore data to find answers, gather data to support a project proposal, acquire funding, outreach, raise awareness about tree inquiry, identify neighborhood areas worth protecting, and educate others about trees in Boston.
2. What does TESA look like?
  - Pull up the website TESA to the screen to share with students how to find certain data and how to identify trees in different neighborhoods or communities.
3. How could we use TESA for today's activity?
  - Students will use TESA to allow them to identify the trees in their local school neighborhood and identify the areas that are worth protecting in their community.
  - After gathering information and identifying the trees in their neighborhood, students will go locate them in groups or pairs with an adult supervisor.

**Activity (30 mins):** The goal of this activity is to allow students to apply their learnings about TESA and locate the trees in their school's neighborhood, once located, they will identify them using the Tree ID.

Question: What are some trees in their school's neighborhood that we see on TESA?

1. Using your mobile devices locate at least five trees on the map using TESA in your school's neighborhood
2. Once located and recorded information about them, students will walk to the tree site in groups with an adult to visit them and identify the tree using a Tree ID
3. Throughout walking and identifying trees, students will record and gather information based on their observations

**Review & Wrap-Up (10 mins):** Once students have come back from their walk to identify trees, they will gather up and share their findings with the class.

1. What are some key observations?
2. How could we use TESA for other projects or in the future?