

Pacing Guide for Plant GIFTS (Genetics In Farming Technology and Science)

Advanced High School: 3 x 1-hour class periods (or 1 x 3-hour lab period)

- First 1-hour block: Work through the slides in the **Plant GIFTS teaching module**, stopping at slide number 35.
 - Use the **Modular Organization Chart** to determine how to use the slides and how to choose a path appropriate for your desired level of detail.
 - Optional: assign slide 47 and/or slide 50 as homework before the next class period and incorporate their answers into their discussion during the next 1-hour block.
- Second 1-hour block: Finish slides in the **Plant GIFTS teaching module**; read through the list of **Plant GIFTS Activity - Plant Modifications** as a class; if time permits, play one or two rounds of **Here Today Gone Tomato** in small groups.
 - Use the **Modular Organization Chart** to determine which slides to choose in the teaching module
 - Be familiar with the **Plant GIFTS Activity - Instructions** before you start today's class
- Third 1-hour block: Play **Here Today Gone Tomato** (groups of 2 or 3); play **Here Today Gone Tomato** again, individually; if time allows play **Here Today Gone Tomato** (with various challenge modifications); students complete assessment and reflection questions as desired.

Undergraduate:

- For single 50-min class (note that this timing does not allow for significant amounts of small-group or whole-class discussion): Work through the slides in the **Plant GIFTS teaching module**, using the shorter path (fewer slides) in the **Modular Organization Chart**; have the students read through the list of **Plant GIFTS Activity - Plant Modifications**; Play **Here Today Gone Tomato** (groups of 2 or 3); play **Here Today Gone Tomato** again individually, if time allows.
 - Homework: students complete a subset of assessment and reflection questions that meet your course objectives.
- For two 50-min classes or one 75-min class: Work through the slides in the **Plant GIFTS teaching module**, using either path (depending on time or level of whole-class discussion) in the **Modular Organization Chart**; have the students read through the list of **Plant GIFTS Activity - Plant Modifications**; play **Here Today Gone Tomato** (groups of 2 or 3); play **Here Today Gone Tomato** again individually and/or one of the various challenge modifications, as time allows.
 - Homework: students complete a subset of assessment and reflection questions that meet your course objectives.