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.