3:30 Welcome
Collect documentation for completed assignments

3:45 Lesson: Growing Your Own Seedlings

4:45 Break

5:00 Discussion: Laying the Groundwork for a School Garden

5:45 Mid-Course Evaluation
Ask the participants to provide feedback by filling out a short one page survey

6:00 Close
School Garden 101
Session 3: Growing Your Own Seedlings
Lesson
(60 minutes)

I. Observations from germination chambers (mason jars) – comparing monocots to dicots

II. Why grow your own seedlings?

III. Giving seeds the conditions they need for good growth
a. Temperature
   i. Germination
   ii. Growing on
b. Light
   i. Artificial vs. natural
   ii. Duration and distance from plants
c. Moisture
   i. Germination
   ii. Growing on: when and how to water

IV. Containers
   a. Sterile, drainage holes, appropriate size

V. Growing medium
   a. Sterile, soilless, loose, well drained, non-crusting
   b. Growing mix vs. germinating mix
   c. Hands-on activity: Sowing seeds in flats

VI. Fertilizing
   a. When, how often
   b. Types of fertilizers

VII. Transplanting
   a. Into larger containers: when, how
      i. Hands-on activity: transplanting seedlings into six packs
   b. Into the garden: hardening-off plants
   c. Fertilizing transplants

VIII. Troubleshooting

IX. Special seed treatments

Publications provided:
UMaine Cooperative Extension bulletin 2751: Starting Seeds at Home
UMaine Cooperative Extension article: The Effects of Soil Temperature in Gardening
MOFGA fact sheet #9 Soil-less Mixes for Vegetable Seedling Production
Days required for vegetable seedling emergence at various soil temperatures

Recommended additional reference:

University of Maine Cooperative Extension
Small group discussion:
Break up into planning groups from the same school and discuss the following questions. Ask one person from each group to capture notes.

1. Tasks and Roles Update

Go over the completed tasks and roles worksheets: What tasks have been accomplished since last week? What tasks need to be completed soon?

2. Garden Site and Layout
   a. What are the potential sites for the garden?
   b. What are these sites visible and accessible to (i.e. classrooms, cafeteria, main entrance)?
   c. How much square-footage of growing space do you want to have?
   d. What type of beds do you want to have (i.e. raised beds, soil level)?
      i. What size will they be (i.e. 4’x8’, 3’x10’)?
   e. What materials will you need to construct and fill the beds (i.e. lumber, soil, compost)?
   f. Who is going to work on finalizing the design of the garden? When should this task be completed? You will use the “locating the garden site” and “site survey” worksheet found in the “Lesson Materials” section of Session 4 in your notebook.
School Name: _____________________________________

1. Tasks and Roles Update

Go over the completed tasks and roles worksheets: What tasks have been accomplished since last week? What tasks need to be completed soon?

2. Garden Site and Layout

a. What are the potential sites for the garden?

b. What are these sites visible and accessible to (i.e. classrooms, cafeteria, main entrance)?

c. How much square-footage of growing space do you want to have?

d. What type of beds do you want to have (i.e. raised beds or in-ground beds)?
   i. What size will they be (i.e. 4’x8’, 3’x10’)?

e. What materials will you need to construct and fill the beds (i.e. lumber, soil, compost)?

f. Who is going to work on finalizing the design of the garden?
   i. When should this task be completed?

You will use the “locating the garden site” and “site survey” worksheet found in the “School Classroom Lesson Materials” section of Session 4 (Planning) in your binder.