**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**School: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class Period: \_\_\_\_\_\_\_\_\_\_\_**

**Long-Term Garden Maintenance Research**

**Lesson Purpose:** To conduct research on various aspects of maintaining a garden for a long-term duration, to ensure a successful garden year-round. The research conducted will include students in each group making recommendations on their assigned topic to the whole class, during the whole-group share-out in Activity 3. This research is critical to informing the class on how to proceed with the Master Garden Maintenance Checklist which will be created in Activity 4.

**Research Resources:** In addition to searching content-specific internet sites, student can access the articles in the “Reading Materials” section of the Module 10 resources. There are some great articles, including one titled:

* **“Setting up and running a school garden.”** This particular article has some great information that will be helpful to many of the research groups.

**Research Topics:**

* ***Reviewing Existing Garden Maintenance Processes***

 ***(established in Lesson 7)***

* + 3 Ws: Walking, weeding, watering
	+ Thinning vegetables
	+ Protecting plants from inclement weather
	+ Harvesting processes & timeline
	+ Distributing produce
	+ Flower care
* ***Pest Management***
	+ *Article: “In the Garden” by Greg Rubin*
		- *Looking at pest management in a new way …*
	+ *Green pest management options*
	+ *Integrated Pest Management (IPM) solutions*
		- *Solve pest problems*
		- *Minimize risks to humans, pets, and wildlife*
* ***Composting***
	+ *“From table to farm”*
* ***Fertilizing the Soil (Soil Amending)***
	+ *Ensuring good soil quality*
* ***Rotating Crops***
	+ *Planning for year-round garden cycles*
* ***Soil Coverage***
	+ *Mulch needs*
	+ *Weed mat*

**Tasks:**

* Students will be divided into groups and assigned one of the above topics.
* Be sure students have access to computers, the internet, and a quiet space to conduct research.
* Students can use the space on Page 2 to jot down notes on things they learn, and recommendations, which they will then share whole-group on Day 3 of the Lesson.

**Research Notes:**

* Source:
* Date:
* Notes:
* **Recommendations:**