

TOOL

#1



MANAGING MATERIALS

FOSS NEXT GENERATION IMPLEMENTATION

Having a well-thought out materials management plan is crucial to success in implementing FOSS. This plan should address the logistics for on-going materials needs with modifications for site-based or centralized refurbishment models: a location for receiving and inventoring module kits, distributing materials to and from classrooms, arrangement for procurement and distribution of live organisms, provision of “teacher-supplied” materials, teachers’ role in inventoring kits before and after classroom use, mechanism for refurbishing the modules/courses, and establishing an annual budget for yearly expenses for consumables, “teacher-supplied materials,” and other materials support.

Navigate to **Implementation Tools, Materials Management** page on FOSSweb as you design and implement your plan. Review the **Considerations** as your plan takes shape. FOSS is available for advisement as schools/districts set up systems (foss@berkeley.edu).

Once you have decided on a management model (site-based vs. centralized), a thoughtful, gradual implementation is advised. See the FOSS Administrative Matrix for a quick look at a possible 3-year rollout of your materials system.

The teaching staff will benefit from a well-established materials management plan that works well with resources in your school or district. It is important to keep in mind that for a sustainable system, you will need to budget annually for the following needs:

- **Science notebooks for students:** A science notebook is the tool that each student will use to record their observations, data, thinking, explanations, and questions. Each student should be provided with one notebook per year (middle school students may need 2-3 notebooks per year.) We recommend using bound composition books.
- **Permanent and consumable materials:** Permanent materials will need occasional replacement due to age, loss, or breakage. Consumable materials need to be replenished more regularly. You can find a link to **Replacement Lists** from Delta Education on the FOSSweb Materials Management page.
- **Live organisms:** Each life science module brings organisms to the classroom for students to observe and maintain in habitats. Plants seeds and brine shrimp eggs are provided in the kits. On FOSSweb, navigate to **Living Organism** (under Implementation Tools). There you will find the **Organism Source** page for suggestions on where/how to obtain other organisms. The **Live Organism Schedule** page details when to order if obtaining them through Delta Education or a biological supply house. **Plant and Animal Care** page has details on each organism and how to care for them.
- **Teacher-supplied materials:** Most “teacher-supplied” items are common classroom supplies such as writing utensils, access to computers, scissors, and water. For a complete list, navigate to **Materials Management, Teacher-Supplied Materials**. Develop a plan to provide necessary materials to ensure all investigations are taught seamlessly.

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3. Creating a Culture for Science
4. Supporting Teachers with Time
5. Supporting Teachers with Professional Learning
6. Supporting Teachers with Access and Equity
7. Using the FOSS Assessment System
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9. Making Community Connections
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