Course Title/Meeting Day & Time

Calendar and Items to Bring to Class

Student-supplied materials are essentialfor the hands-on activities in each class. Weekly points are given for bringing assigned items to class. Requested materials are free, recycled, or very inexpensive.

\*Bring your Course Reader to **every** class. You will often need to refer to it for in-class activities.

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| **Session/Date** | **Topic** | **Bring to Class** |
| Session 1/Add date | Introduction to Course |  |
| Session 2/ Add date | Water Play | 3 containers or tools for water play |
| Session 3/ Add date | Math Focus: Sets and Sorting  Physical Science Exemplar: Sink/Float | 5 small items for sink/float |
| Session 4/ Add date | Math Focus: Sets and Sorting  Physical Science Exemplar: Rocks | 5 Rocks and an old toothbrush |
| Session 5/ Add date | Math Focus: Measurement  Physical Science Exemplar: Solids and Liquids | Ice cube tray & assigned ingredient for mixing  Homemade Discovery Bottle |
| Session 6/ Add date | Physical Science Exemplar: Bubbles  \*Planning time for Making Mixtures Group Project | 3 “non-traditional” Bubble blowers |
| Session 7/ Add date | In-class Group Activity: Making Mixtures | Materials for Making Mixtures activity (will be assigned)  If absent previous class, contact the instructor to find out what ingredient to bring. |
| Session 8/ Add date | Physical Science Exemplar: Baking Soda and Vinegar | Baking soda or vinegar (will be assigned one or the other) |

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| **Date/Week** | **Topic** | **Bring to Class** |
| Session 9/ Add date | Physical Science Exemplar: Air and Wind  \* Sharing about Midterm Activities | 1 “air blower” such as a turkey baster or empty squeeze bottle  5 objects that move when blown (for example: cotton ball, pom-pom, packing peanut, ponytail holder, feather, button etc.) |
| Session 10/ Add date | Math Focus: Counting  Life Science Exemplar: Trees | 5 or more leaves with interesting features |
| Session 11/ Add date | Math Focus: Number Operations Life Science Exemplar: Soil | Quart-size Ziploc of soil (not store-bought)  Clear wide-mouthed glass or plastic jar with lid such as peanut butter, jelly, or pasta sauce jar |
| Session 12/ Add date | Life Science Exemplar: Seeds  Math Focus: Pattern | One fruit that can be cut open to find seeds  (preferably one with unusual seeds) |
| Session 13/ Add date | Math Focus: Data Analysis  Life Science Exemplar: Earthworms | Your seed germination bag from previous class |
| Session 14/ Add date | Math Focus: Spatial Relationships Engineering Exemplar: Ball Runs | Bag of recyclables for making ball runs: paper tubes, cans, small boxes, etc. |
| Session 15/ Add date | Math Focus: Shape  In Class Group Activity: Building Structures | Materials for Structures Group Activity (will be assigned) |
| Session 16/ Add date | Engineering Exemplar: Inventions | Materials for Inventing (will be assigned) |
| Session 17/ Add date | Final Class |  |