Dear Project Partner,

Thank you for choosing the EPICS LSME Nanotechnology Experiment Kit! Listed below are links to any documents you might need, as well as information regarding the materials included in the kit.

### Lesson Plans and Worksheets

* Teacher Version Available on Google Drive at <https://docs.google.com/document/d/1uEwBuaJpSVIDjcIUIEGBEKvFBTooMh1d1v4Df5mpEdw/edit?usp=sharing>
* Student Station Instructions Available on Google Drive at <https://docs.google.com/document/d/1X1ZZWrr3njkhU0eKN3n7gkLK_1PsmKvsiULSkR5Rusc/edit?usp=sharing>
* Student Worksheet Available on Google Drive at <https://docs.google.com/document/d/1zkhRp-tVANk6KIJP23xt_7PBi-lZM4zX6OGhvIqv3ko/edit?usp=sharing>
* Nanotechnology PowerPoint Available on Google Drive at <https://docs.google.com/presentation/d/1D56e0E4evrxVUKvw85EQdg6UlN6K_izAR1UHV9UO6vI/edit?usp=sharing>

## Tips to Improve Lifespan of Kit

* Store in a cool, dry area out of direct sunlight when not in use
* Dry off materials after use
* Take care when handling carbon atoms and bonds

### Replacing Broken/Missing Parts

### Bandanas

Most types of cloth can be used; however, cotton is prefered. We used bandanas, which can be ordered on amazon. Information is provided for the exact type we used.

**Name:** The Dozen Bandanas Head Wrap, 100% Cotton, 20 x 20- Inch

**ASIN:** B00C814WCQ

**Link**: <https://www.amazon.com/Color-Double-Sided-Paisley-Bandana/dp/B00C814WCQ/>

To treat the cloth to make it hydrophobic, any form of waterproofing spray is acceptable. We have provided information for the product that we used; it can be purchased on Amazon

**Name:** Kiwi Camp Dry Heavy Duty Water Repellent

**ASIN:** B00QVL2L5E

**Link:** <https://www.amazon.com/Kiwi-Camp-Heavy-Water-Repellent/dp/B01KZLKN78/>

### Sand

Replacement sand can be ordered on amazon.

**Name:** Magic Sand (Blue)

**ASIN:** B009P8ARHY

**Link:**[https://www.amazon.com/Educational-Innovations-Magic-Sand-Blue/dp/B009P8ARHY/ref=sr\_1\_1?ie=UTF8&qid=1491609967&sr=8-1&keywords=hydrophobic+sand](https://www.amazon.com/Educational-Innovations-Magic-Sand-Blue/dp/B009P8ARHY/ref%3Dsr_1_1?ie=UTF8&qid=1491609967&sr=8-1&keywords=hydrophobic+sand)

**Name:** Activa Acenic Sand, 5-Pound, Dark Blue

**ASIN:** B004BNFS72

**Link:**[https://www.amazon.com/ACTIVA-Scenic-Sand-5-Pound-Dark/dp/B004BNFS72/ref=sr\_1\_1?ie=UTF8&qid=1491610133&sr=8-1&keywords=blue+sand](https://www.amazon.com/ACTIVA-Scenic-Sand-5-Pound-Dark/dp/B004BNFS72/ref%3Dsr_1_1?ie=UTF8&qid=1491610133&sr=8-1&keywords=blue+sand)

### C60/Nanotube Models

Replacement models can be ordered on amazon. Please note that shipping for this product can be up to a month, so plan ahead for replacement.

**Name:** Carbon Model Links - SODIAL(R)Scientific Chemistry Carbon 60 C60 Atom Molecular Model Links Kit Set

**ASIN:** B01LPMZETS

**Link:** <https://www.amazon.com/Carbon-Model-Links-Scientific-Chemistry/dp/B01LPMZETS>

## The Role of EPICS Students

The LSME EPICS Team in being merged into the I2R EPICS Team at the start of the 2017-2018 school year. This should not hinder product upkeep and support. Stay in contact with the EPICS office at Phone: 765-494-3750 or Email : epics.university@purdue.edu. Additionally, you can contact former team members directly at EPICS.LSME.NANO@gmail.com