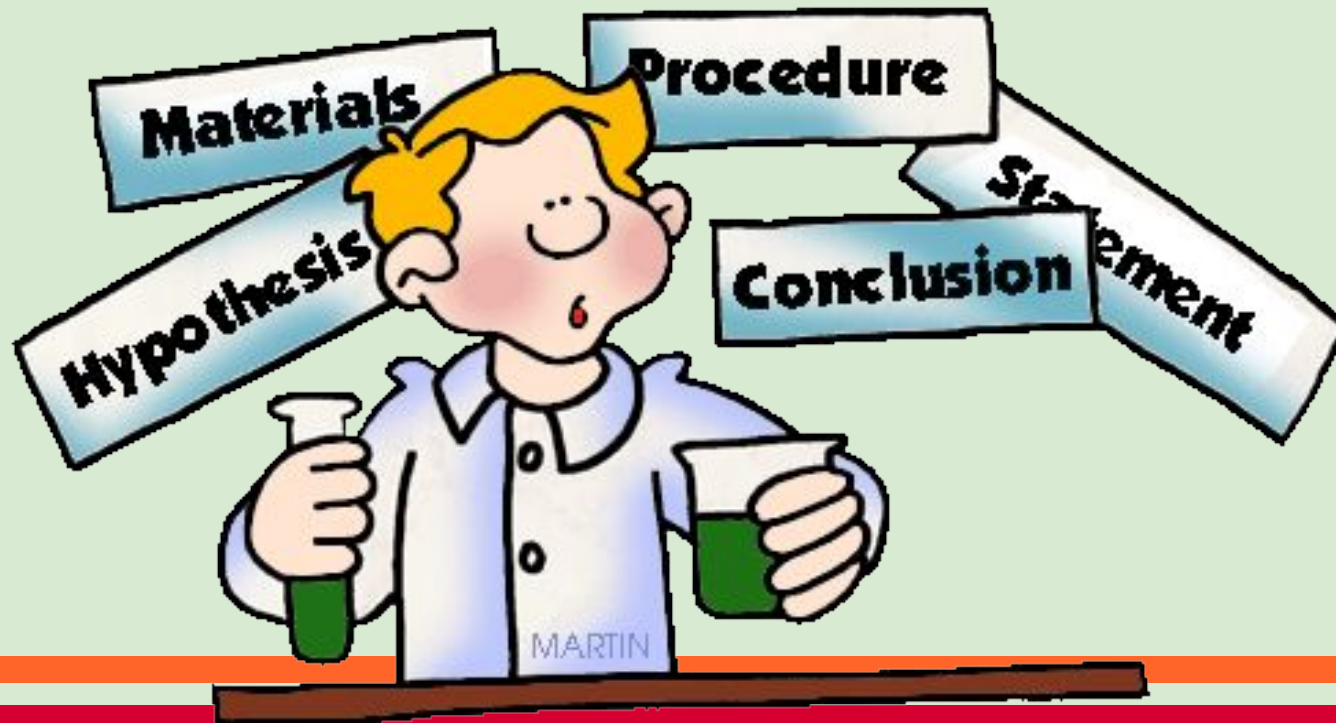


# Room 26

Science with Dr. Felix

Science Lab with Mrs. Liu

MakerSpace with Mrs. Hampton



Remind App "Room 26" ...you've  
already signed up!

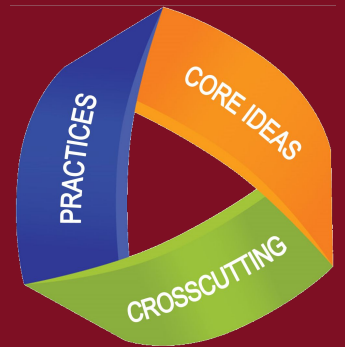


remind

...if you joined "Science with Dr. Felix,  
you will receive the same notifications  
**TWICE!**

# Next Generation Science Standards Shifts

- “Three-dimensional” learning- Scientific and Engineering Practices (SEPs), Disciplinary Core Ideas (DCIs), and Crosscutting Concepts (CCCs).
- science is not just a series of isolated facts. This awareness enables students to view science more as an interrelated world of inquiry and phenomena rather than a static set of science disciplines.



## Science education will involve less:

1. Learning of ideas disconnected from questions about phenomena
2. Teachers providing information to the whole class
3. Teachers posing questions with only one right answer
4. Student reading textbooks and answering questions at the end of each chapter
5. Worksheets
6. Oversimplification of activities for students who are perceived to be “less able” to do science and engineering

## Science education will involve more:

1. Systems thinking and modeling to explain phenomena and to give a context for the ideas to be learned
2. Students conducting investigations, solving problems, and engaging in discussions with teacher guidance
3. Students discussing open-ended questions that focus on the strength of the evidence used to generate claims
4. Students reading multiple sources and developing summaries of information
5. Student writing of journals, reports, posters, and media presentations that offer explanations and arguments
6. Provision of supports so that *all* students can engage in sophisticated science and engineering practices

# What coming up this year?

## 1. Life Science

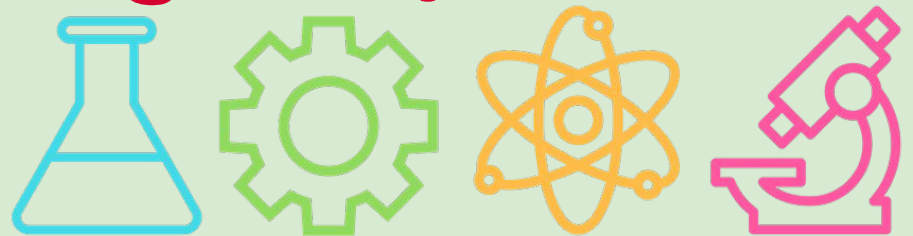
### a. From Matter to Organisms

## 2. Physical Science

### a. What is Matter Made of

## 3. Earth and Space Science

### a. Patterns in the Night Sky





# STEMscopes™

NGSS

- Digital curriculum (no textbook)
  - Accessible at home- usernames and passwords in Science Journals
- 5E Lesson Plan (Engage, Explore, Explain, Elaborate, Evaluate)
- Individualized- accelerated and intervention resources
- In class material reinforced in Science Lab and MakerSpace

# Student Resources

## Matter and Energy in Plants

**STEMscopes:** Describing the movement of matter among plants.

**Standards that will be addressed:**

- **5-LS1.C.1:** Organization for Matter and Energy Flow in Organisms: Plants acquire their material for growth chiefly from air and water.
- **5-LS1-1:** Support an argument that plants get the materials they need for growth chiefly from air and water.
- **3-5-ETS1-2:** Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.

Remember to look at the Science tab on our class website for additional resources, information, and updates.

**Pages included in the packet:**

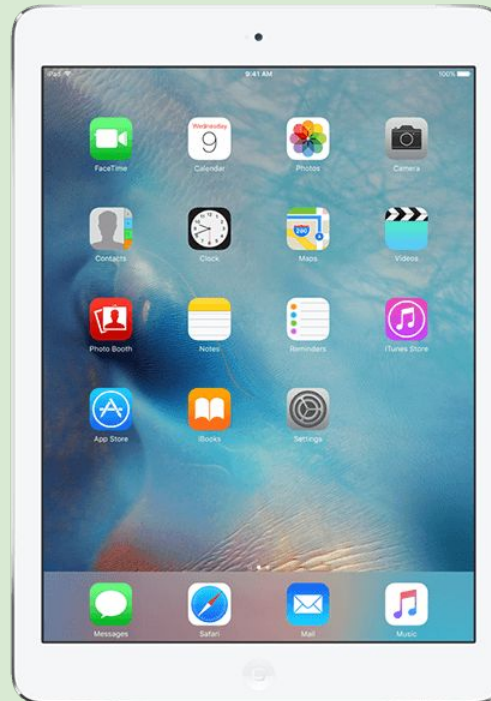
1. STEMscopedia
2. Linking Literature: Describe With Image
3. Content Connection 1
4. Content Connection 2
5. Independent Practice
6. Concept Attainment Quiz

**Optional Extension Activities:**

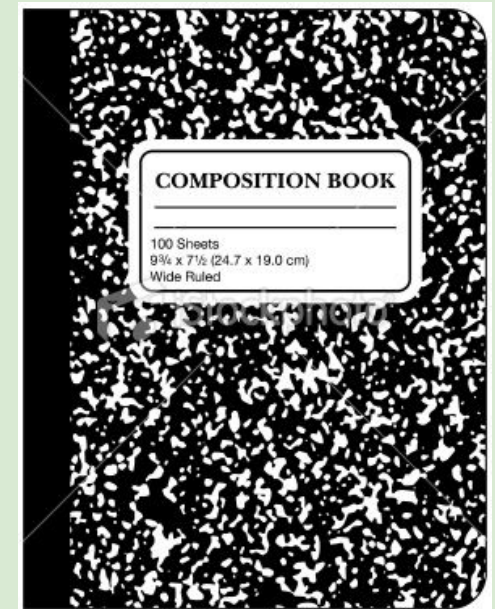
- Web Surfing Science (see StemScopes Website)
- At Home Connection Piece (See Class Website)

**Test Date & Journal Collection: September 15**

- The test will be 5 Multiple Choice Questions and 3 Open Ended Questions
- Student journals will be collected and graded on neatness and completion



iPad



Notetaking  
Book

Scope Packet  
...if you're interested in making  
copies, please reach out!

# Other Reading Materials



Magazines



Articles



Websites

