August 31, 2016

Standards:
SI # 2: Design and conduct a scientific investigation.
SI #3: Use appropriate mathematics, tools and techniques to gather data and information.
SI #4: Analyze & interpret data.
SI#5: Develop descriptions, models, explanations and predictions.
SI #6: Think critically and logically to connect evidence and explanations
SI #8: Communicate scientific procedures and explanations.
You will learn how to take the proper precautions during labs to be safe.

Handouts:
None

On Board:
1. Get your name tag and put it on your desk.
2. Get out Science Composition book (blue) .
3. Fill in planners.
4. Get out your Knowledge Builders - Day 6 (Scientist Activity).
5. Get out your Class Rules/Procedures.
6. Do Bell Work on Smart board.
7. Pencil

Up For Grabs:

Materials:

Science Composition Books, Anticipatory sets with, "I think column filled in."

Procedures:
1. Take attendance and collect needed forms.
2. Go over focus for the day.
3. Go over procedure for the day.
4. Go over Bell Work/Class Procedures.
5. Check/collect Knowledge Builders - Day 6 (Scientist Activity).
6. Finish up Lab Safety Knowledge Builders (If needed from Day 1).
7. Watch Lab Safety Video.
8. Pass back Lab Safety Anticipatorys and fill in the, "I Know" column.
9. Grade Lab Safety Anticipatorys.
10. Go over Focus.
11. Play review game for Lab Safety test.

Homework:

Study for Lab Safety test.

Science - Lab Safety

Day: 1

August 31, 2016

To Do...

Bell Work - Day 1

1. Get your name tag and put it on your desk.
2. Get out Science Composition book (blue) .
3. Fill in planners.
4. Get out your Knowledge Builders - Day 6 (Scientist Activity).
5. Get out your Class Rules/Procedures.
6. Do Bell Work on Smart board.
7. Pencil

Bell Work:

Label This Bell Work: First Days Of School. Use Three boxes.

1. What is the procedure for returning from an absence?
2. What is the procedure for turning in absent work?
3. What is the procedure for turning in late work?

Focus

- [ ] 1. We will begin to get to know each other.
- [ ] 2. You will learn your learning style.
- [ ] 3. You will learn the class learning style.
- [ ] 4. You will learn how to take the proper precautions during labs to be safe.

Science State Standard

- [ ] SI # 2: Design and conduct a scientific investigation.
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Procedure

Today We will...

1. Take attendance and collect needed forms.
2. Go over focus for the day.
3. Go over procedure for the day.
4. Go over Bell Work/Class Procedures.
5. Check/collect Knowledge Builders - Day 6 (Scientist Activity).
6. Finish up Lab Safety Knowledge Builders (If needed from Day 1).
7. Watch Lab Safety Video.
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Answers To Knowledge Builders - Day 6 (Scientist Activity)

1. Possible Answers: A scientist is a male that looks crazy and is a nerd.

2. Possible Answers: No they are not valid because I can name at least one scientist (Jane Goodall) that does not fit a majority of our classifications.

3. Possible Answers: TV, Movies, Magazines etc.

Answers To Knowledge Builders - Day 6 (Scientist Activity)

4. Possible Answers: Looking at all our ideas you would think that Science is done by only crazy males.

5. We find images that do not fit the stereotypes about scientists.

Class Procedures

1. Look at your Class Rules and Procedures.
2. We will go over the following procedures:
   A. Heading your paper p. 4
   B. Turning in Late/Incomplete Work p. 2
   C. Returning from an absence p. 3
   D. Turning in absent work p. 3

Knowledge Builders

1. The three things that you should do before starting a lab are: Get your teachers permission; Read all of the procedures; Pay attention to safety information and caution statements.

2. The two things that you should do when you don't know what a safety symbol is in a lab are: Look it up in the book and then ask your teacher.

3. When you get a substance in your eye you should notify the teacher immediately, and flush out your eyes with running water for at least 15 minutes.

Knowledge Builders

4. You should not eat, drink, or apply cosmetics during a lab because the drink, food, and cosmetics can easily become contaminated with dangerous materials.

5. When you are heating an object in a test tube be sure to angle the test tube away from yourself and other. Be sure to wear heat – resistant gloves.

6. If you get a chemical on your skin you need to rinse it off immediately with water for at least five minutes while calling to your teacher.

Knowledge Builders

7. You should avoid wearing hair spray and hair gel on lab days because they are flammable and can catch fire while working with an open flame.

8. When working with a acid or base your should wear an apron and safety gloves.

9. When cutting objects during a lab you need to always find a suitable work surface for cutting and always cut away from you body.

Knowledge Builders

10. Before working with a flammable liquid or gas you need to check for the presence or any source of flame, spark, or heat.

11. After handling an animal in a lab be sure to wash your hands.

12. Before using glass in a lab be sure to examine the glass to make sure it is free from cracks and chips.

Knowledge Builders

13. You should avoid wearing contacts during labs that require eye safety because chemicals can get between your contact lenses and eyes.

14. When a minor accident occurs during a lab be sure to notify your teacher.

15. You should handle all animals in labs with extreme care and respect.

Knowledge Builders

16. The plant safety symbol means that you should not eat any part of the plant or seed. You need to wash your hands after using the plant and do not pick up any wild plants in nature labs.

17. The three things you need to be careful of when using electricity in a lab are; making sure that the cord is not where someone could trip, be sure that your hands are dry, and do not use equipment with damaged cords.

18. You should handle and unknown chemical as if it was dangerous.

Knowledge Builders

19. While heating objects during a lab you need to wear heat-resistant gloves.

20. On lab days you should avoid wearing open-toed shoes, sandals, your hair down, and ties.

Knowledge Builders

1. C Electric Safety
2. G Plant Safety
3. A Chemical Safety
4. I Animal Safety
5. F Clothing Safety
6. H Sharp Safety
7. E Eye Safety
8. D Heating Safety
9. B Hand Safety

Click Here To Watch Lab Safety Video

Lab Safety - Anticipatory

1. Get dividers.
2. Prepare room for test.
3. I will pass out Anticipatory sets. Please fill in the, "I Know" column on the paper. You should not leave any blank.

When you are finished:
1. Put your divider down over your anticipatory set.
2. Work on another assignment, free read, or play and approved game on your laptop.
3. We will grade these anticipatory sets when everyone is finished.

Lab Safety - Anticipatory Answers

1. Agree
2. Agree
3. Disagree
4. Disagree
5. Disagree
6. Agree
7. Agree

Lab Safety - Anticipatory Answers

8. Agree
9. Disagree
10. Disagree
11. Disagree
12. Agree
13. Disagree

Lab Safety - Anticipatory Answers

14. Eye Protection
15. Animal Safety
16. Chemical Safety
17. Hand Safety
18. Electric Safety
19. Heating Safety

Focus

- [ ] 1. We will begin to get to know each other.
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Science State Standard

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Homework

Study for Lab Safety test.

Lab Safety Review Game

Play review game for Lab Safety.