

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:

Lab Safety Anticipatory
Lab Safety Knowledge Builders
Knowledge Builders - Day 2 (Scientist Activity)

NOTE: When the tallying up the results for the Scientist activity be sure to do all three classes in one box and be sure the students look at the results to do their Knowledge Builders.

On Board:

1. Take paper(s) out of tray(s) in the front of the room.
2. Get your name tag and put it on your desk.
3. Get out Science Composition book (blue) and turn to your Scientist drawings. Please put in the corner of you desk to be checked.
4. Fill in planners.
5. Get out your Class Rules/Procedures.
6. Do Bell Work on Smart board.
7. Pencil

Up For Grabs:

Materials:

Science Composition Books, Something to color with.

Procedures:

1. Take attendance and collect needed forms.
2. Go over how to do Bell Work and what an anticipatory is.
3. Collect anticipatorys.
4. Go over focus for the day.
5. Go over procedure for the day.
6. Finish up look at Learning style data for each period.
7. Go over procedure for checking homework.
8. Check homework: Scientist drawings.
9. Finish Scientist lesson and discuss.
10. Discuss Scientist Activity.
11. Do Wrap up for Scientist Activity.
12. Go over Knowledge Builders and how they are used.
13. Go over answers to Lab Safety Knowledge Builders.
14. Watch Lab Safety Video.
15. Work on First Days Of School Knowledge Builders - Day 5 (Scientist Activity).

Homework:

Finish First Days Of School Knowledge Builders - Day 5 (Scientist Activity). Review Science Rules/Procedures.

Science - Lab Safety

Day: 1

To Do... Bell Work - Day 1

1. Take paper(s) out of tray(s) in the front of the room.
2. Get your name tag and put it on your desk.
3. Get out Science Composition book (blue) and turn to your Scientist drawings. Please put in the corner of you desk to be checked.
4. Fill in planners.
5. Get out your Class Rules/Procedures.
6. Do Bell Work on Smart board.
7. Pencil

Label This Bell Work:

Do Lab Safety Anticipatory. Fill in the, "I Think column only. Don't worry if you do not know the answer to all the questions. You are not supposed to. Do the best you can. BE SURE TO DO BACK.

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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- ☐ SI #6: Think critically and logically to connect evidence and explanations
- ☐ SI #8: Communicate scientific procedures and explanations.

Procedure

Today We will...

1. Take attendance and collect needed forms.
2. Go over how to do Bell Work and what an anticipatory is.
3. Collect anticipatorys.
4. Go over focus for the day.
5. Go over procedure for the day.
6. Finish up look at Learning style data for each period.
7. Go over procedure for checking homework.
8. Check homework: Scientist drawings.
9. Finish Scientist lesson and discuss.
10. Discuss Scientist Activity.
11. Do Wrap up for Scientist Activity.
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Analyzing Learning Style Data

<u>Learning Styles</u>	<u>Period</u> <u>1/2</u>	<u>Period</u> <u>6/7</u>	<u>Period</u> <u>8/9</u>	<u>Totals</u>
Visual Learner				
Auditory Learner				
Kinesthetic/ Tactile Learner				

1. Create this chart in your composition books. I'm going to add to it each period.

Checking Homework Procedure

1. Look at your Class Rules and Procedures.
2. We are going to go over how we check homework on its due date.

Scientist Activity

Student Drawing Data

Trait	Occurrence Tally
Lab Coat	
Eyeglasses/Goggles	
Facial Hair	
Symbols of Research: Test tube, flask, beaker, microscope, Bunsen Burner, other	
Symbols of Knowledge: books, filing cabinet, other	
Symbols of Technology: computer, machines, etc.	
Formulas	
Male	
Pencils/pen in pocket	
Sinister	
Eccentric Appearance (Nerd)	
Neutral	
Positive	

Wrap Up For Scientist Activity

- ☐ 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.

Science State Standard

- ☐ SI # 2: Design and conduct a scientific investigation.
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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 you 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

Homework

1. Finish First Days Of School Knowledge Builders - Day 5 (Scientist Activity).
2. Review Science Rules/Procedures.