Physical Science 6
Mrs. Duddles

Q1 – Introduction to Science & Technology

Welcome!

Monday 11/02

Objectives:

- Students will understand the concepts of distance, time and speed.
- Students will be able to show the relationship of distance, time and speed using a distance-time graph.

White Space Question:

What is speed? What is velocity?

Agenda:

- Helicopter fundraiser money? Pizza party for winning House!
- Work on Activity 7 "Motion and Speed"
  - Discuss & Review Lab 1 Average Speed using Energy Car kit
  - Set up Lab 2 Position, Time, Speed

Friday 10/30 – ½ Day PM Classes Only

Objectives:

- Students will understand the concepts of distance, time and speed.
- Students will be able to show the relationship of distance, time and speed using a distance-time graph.

White Space Question:

A runner runs a distance of 50 meters in 10 seconds, what is her average speed?

Agenda:

- Helicopter ride fundraiser money? Pizza party for winning House!
- Work on Activity 7 "Motion and Speed"
  - Finish Lab 1 Average Speed using Energy Car kit

Thursday 10/29

Objectives:

- Students will understand the concepts of distance, time and speed.
- Students will be able to show the relationship of distance, time and speed using a distance-time graph.

White Space Question:

When measuring short distances, what unit of measurement should we use in science class? How do we measure long distances in the US?

Agenda:

- Helicopter ride fundraiser money? Pizza party for winning House!
- Work on Activity 7 "Motion and Speed"
  - Continue Lab 1 Average Speed using Energy Car kit

Wednesday 10/28

Objectives:

- Students will understand the concepts of distance, time and speed.
- Students will be able to show the relationship of distance, time and speed using a distance-time graph.

White Space Question:

What is an independent variable?

Agenda:

- Helicopter ride fundraiser money? Pizza party for winning House!
- Continue Activity 7 "Motion and Speed"
  - Start Lab 1 Average Speed using Energy Car kit

Tuesday 10/27 - Shorten class for HOUSE mtg & speaker

Objectives:

- Students will understand the concepts of distance, time and speed.
- Students will be able to show the relationship of distance, time and speed using a distance-time graph.

White Space Question:

When giving the position of Butcher, what are two reference points that you can use?

Agenda:

- Bunny fundraiser money? Helicopter ride fundraiser money?
- Watch intro video NHL Hockey Kinematics (position, velocity & acceleration) – 6E
- Continue Activity 7 "Motion and Speed"
  - Start Lab 1 Average Speed using Energy Car kit

Monday 10/26

Objectives:

- Students will understand the concepts of distance, time and speed.
- Students will be able to show the relationship of distance, time and speed using a distance-time graph.

White Space Question:

How do you measure speed?

Agenda:

- Bunny fundraiser money? Helicopter ride fundraiser money?
- Continue Activity 7 "Motion and Speed" book reading and questions
- Watch intro video NHL Hockey Kinematics (position, velocity & acceleration)

Friday 10/23

Objectives:

- Students will learn about bullying prevention and intervention

White Space Question:

What is motion?

Agenda:

- Mrs. Duddles out for 7th Grade Field Trip to Cranbrook
- Watch Anti-Bullying videos
  - Bullying Information Video
  - Bully Virus Video
  - Anti Bully Heroes
- Read silently for remainder of class

Thursday 10/22

Objectives:

- Students will understand the concepts of distance, time and speed.
- Students will be able to show the relationship of distance, time and speed using a distance-time graph.

White Space Question:

What is position?

Agenda:

- Bunny fundraiser money? Helicopter ride fundraiser money?
- Start Activity 7 "Motion and Speed" book reading & questions
  - Read pages 4 – 9; Answer questions 1 – 9

Wednesday 10/21

Objectives:

- Students will be able to find the mass & volume of objects using different methods
- Students will be able to calculate the density of an object using its mass & volume
- Students will make quantitative observations of objects

Agenda:

- Bunny fundraiser money? Helicopter ride fundraiser money?
- Study for Measurement (Mass, Volume, Density) Quiz

(10 mins)

- Take Measurement Quiz
  - When complete, turn in quiz to Mrs. Duddles
  - Read for remainder of hour

Tuesday 10/20 – shorten class periods for Fall House Challenges

Objectives:

- Students will be able to find the mass & volume of objects using different methods
- Students will be able to calculate the density of an object using its mass & volume
- Students will make quantitative observations of objects

Agenda:

- Bunny fundraiser money? Helicopter ride fundraiser money?
- Set Up Activity 7 "Motion and Speed" in Science Notebook

HW: Study for Measurement (Mass, Volume, Density) quiz on Wednesday 10/21

Monday 10/19

Objectives:

- Students will be able to find the mass & volume of objects using different methods
- Students will be able to calculate the density of an object using its mass & volume
- Students will make quantitative observations of objects

Agenda:

- Bunny fundraiser money? Helicopter ride fundraiser money?
- Mass, volume, and density review notes to prepare for quiz on Wednesday 10/21
- Watch video about Archimedes, King Hiero & the Goldsmith

Friday 10/16 – ½ Day AM Only

Objectives:

- Students will be able to find the mass & volume of objects using different methods
- Students will be able to calculate the density of an object using its mass & volume
- Students will make quantitative observations of objects

Agenda:

- Bunny fundraiser money? Helicopter ride fundraiser money?
- Discuss & review "Calculating Density and Identifying Materials" lab packet
- Turn in packet for grading (6B)
- Read *Science World* magazine and write a summary for one of the articles that you read

Thursday 10/15

Objectives:

- Students will be able to find the mass & volume of objects using different methods
- Students will be able to calculate the density of an object using its mass & volume
- Students will make quantitative observations of objects

Agenda:

- Bunny fundraiser money? Helicopter ride fundraiser money?
- Continue "Calculating Density and Identifying Materials" lab activity packet
  - Calculate density of cubes & identify material
  - Discuss and review
  - Turn in packet for grading (6E)

Wednesday 10/14

Objectives:

- Students will be able to find the mass & volume of objects using different methods
- Students will be able to calculate the density of an object using its mass & volume
- Students will make quantitative observations of objects

Agenda:

- Bunny fundraiser money? Helicopter ride fundraiser money?
- Start "Calculating Density and Identifying Materials" lab activity packet

Tuesday 10/13

Objectives:

- Students will be able to find the mass & volume of objects using different methods
- Students will be able to calculate the density of an object using its mass & volume
- Students will make quantitative observations of objects

Agenda:

- Bunny fundraiser money? Helicopter ride fundraiser money?
- Continue Activity 6 "Measurement"
  - Calculate the density of all 6 objects

Monday 10/12

Objectives:

- Students will be able to find the mass & volume of objects using different methods
- Students will be able to calculate the density of an object using its mass & volume
- Students will make quantitative observations of objects

Agenda:

- Bunny fundraiser money?
- Continue Activity 6 "Measurement"
  - Find volume for all 6 objects using the measure & calculate method
  - Turn in lab handout for grading

Friday 10/09

Objectives:

- Students will be able to find the mass and volume of objects using different methods
- Students will use tables, graphs, & models to display and analyze scientific data

Agenda:

- Bunny fundraiser money?
- Continue Activity 6 "Measurement"
- Dunk Tank Volunteers, do you have:
  - a towel
  - a change of clothes
  - permission slip on Friday 10/09?

Measuring Volume Using Water Displacement Method

Data: 6B

Volunteer	Initial Volume (V_i)	Final Volume (V_f)	Volume of Object
Mackenzie	160 L	200 L	
Lexie	160 L	203 L	
Zach	160 L	192 L	
Robert	160 L	200 L	
Mikayla	160 L	205 L	
Michael	160 L	207 L	

Measuring Volume Using Water Displacement Method

Data: 6E

Volunteer	Initial Volume (V_i)	Final Volume (V_f)	Volume of Object
Maureen	160 L	198 L	
Dylan	160 L	212 L	
Shane	160 L	220 L	

Thursday 10/08

Objectives:

- Students will be able to find the mass and volume of objects using different methods
- Students will use tables, graphs, & models to display and analyze scientific data

Agenda:

- Bunny fundraiser money?
- Go to lab & Continue Activity 6 "Measurement"
- Choose dunk tank volunteers
- Dunk Tank Volunteers bring:
  - a towel
  - a change of clothes
  - permission slip on Friday 10/09

Wednesday 10/07

Objectives:

- Students will be able to find the mass and volume of objects using different methods
- Students will use tables, graphs, & models to display and analyze scientific data

Agenda:

- Bunny fundraiser money?
- Go to lab & Start Activity 6 "Measurement"
- Dunk tank

Tuesday 10/06

Objectives:

- Students will be able to summarize the processes and characteristics of different kinds of scientific investigations
- Students will use tables, graphs, & models to display and analyze scientific data

Agenda:

- Bunny fundraiser money?
- Shortened class period for special speaker
- Finish discussion & review "Scientific Method Process Skills Practice" packet
- Set Up Activity 6 "Measurement" in Science Notebook

Monday 10/05

Objectives:

- Students will be able to summarize the processes and characteristics of different kinds of scientific investigations
- Students will use tables, graphs, & models to display and analyze scientific data

Agenda:

- Bunny fundraiser money?
- Finish reading pages 18-25 in ***Introduction to Science and Technology*** book; finish Lesson Review questions 1-11 on page 27
- HW Check "Scientific Method Process Skills Practice" packet
- Discuss & review "Scientific Method Process Skills Practice" packet

Friday 10/02

Objectives:

- Students will be able to summarize the processes and characteristics of different kinds of scientific investigations
- Students will use tables, graphs, & models to display and analyze scientific data

Agenda:

- Finish reading pages 18-25 in ***Introduction to Science and Technology*** book; finish Lesson Review questions 1-11 on page 27
- Work on "Scientific Method Process Skills Practice" packet
  - Finish for HW if not done in class

HW: Finish "Scientific Method Process Skills Practice" packet; due Monday 10/05

Thursday 10/01

Objectives:

- Students will be able to summarize the processes and characteristics of different kinds of scientific investigations
- Students will use tables, graphs, & models to display and analyze scientific data

Agenda:

- Bunny fundraiser money?
- Read pages 18 through 25 in ***Introduction to Science and Technology*** book on "Scientific Investigations"
- Do Lesson Review questions #1 – 11 on page 27
  - Write answers in Science Notebook

Wednesday 09/30

Objectives:

- Students will make quantitative observations of objects
- Students will use tables, graphs, & models to display and analyze scientific data

Agenda:

- No Science class today; 6B & 6E attend Yankee Air Museum field trip

Tuesday 09/29

Objectives:

- Students will make quantitative observations of objects
- Students will use tables, graphs, & models to display and analyze scientific data

Agenda:

- Bunny fundraiser money?
- Turn in Activity 4 Making Data Tables HW packet if you did not do so Monday
- Finish setting up Activity 5 Modeling Heights of Students lab in Science Notebook (6E)
  - Do Lesson Review on page 73 questions 1 – 9. Write Answers in Data/Results section of Activity 5
- Start Activity 5 lab (6B)

Monday 09/28

Objectives:

- Students will review & practice CHAMPS behavior in classroom
- Students will make quantitative observations of objects
- Students will use tables, graphs, & models to display and analyze scientific data

Agenda:

- Bunny fundraiser money?
- Discuss and Review Activity 4 Making Data Tables HW packet
- Set Up Activity 5 Modeling Heights of Students lab in Science Notebook

Friday 09/25 – ½ Day PM Only

Objectives:

- Students will review & practice CHAMPS behavior in classroom
- Students will make quantitative observations of objects
- Students will use tables, graphs, & models to display and analyze scientific data

Agenda:

- Collect Yankee Air Museum permission slip (6E) & class syllabus
- Bunny fundraiser money?
- Finish Activity 4 "Representing Data" review
- Start Activity 4 Making Data Tables packet; finish for HW

HW: Complete Activity 4 Making Data Tables packet

Thursday 09/24

Objectives:

- Students will review & practice CHAMPS behavior in classroom
- Students will make quantitative observations of objects
- Students will use tables, graphs, & models to display and analyze scientific data

Agenda:

- Collect Yankee Air Museum permission slip (6E) & class syllabus
- Bunny fundraiser money?
- Discuss & Review Activity 4 "Representing Data"

HW for 6B: Complete Activity 4 Making Data Tables packet due Monday

Wednesday 09/23

Objectives:

- Students will review & practice CHAMPS behavior in classroom
- Students will make quantitative observations of objects
- Students will use tables, graphs, & models to display and analyze scientific data

Agenda:

- Collect Yankee Air Museum permission slip (6E) & missing syllabus parent signature page
- Finish Activity 4 "Representing Data"
  - Read assigned book pages and answer questions from activity set up
  - Write answers in Data/Results section of set up

HW: Finish Activity 4 reading and questions; reading is posted on Mrs. Duddles' webpage

Tuesday 09/22

Objectives:

- Students will review & practice CHAMPS behavior in classroom
- Students will make quantitative observations of objects
- Students will use tables, graphs, & models to display and analyze scientific data

Agenda:

- Collect Yankee Air Museum permission slip (6E) & missing syllabus parent signature page
- Start Activity 4 "Representing Data"
  - Read assigned book pages and answer questions from activity set up
  - Write answers in Data/Results section of set up

Monday 09/21

Objectives:

- Students will review & practice CHAMPS behavior in classroom
- Students will make detailed qualitative observations of objects
- Students will use descriptive language to record observations

Agenda:

- Collect Yankee Air Museum permission slip (6E) & missing syllabus parent signature page
- Discuss and review Activity 3 "Life of a Raisin"
- Set up Activity 4 "Representing Data" in Science Notebook

Friday 09/18

Objectives:

- Students will review & practice CHAMPS behavior in classroom
- Students will make detailed qualitative observations of objects
- Students will use descriptive language to record observations

Agenda:

- Collect Yankee Air Museum permission slip (6E) & missing syllabus parent signature page
- Continue Activity 3 "Life of a Raisin"
- Answer all questions in lab handout; write answers in Data/Results section in science notebook

HW:

- Finish Activity 3 "Life of a Raisin" lab questions; handout is on Mrs. Duddles' webpage

Thursday 09/17

Objectives:

- Students will review & practice CHAMPS behavior in classroom
- Students will make detailed qualitative observations of objects
- Students will use descriptive language to record observations

Agenda:

- Collect Yankee Air Museum permission slip (6E) & missing syllabus parent signature page
- Set up Activity 3 "Life of a Raisin" in Science Notebook
- Start Activity 3: listen and follow directions from Mrs. Duddles & make observations in Science Notebook

Wednesday 09/16

Objectives:

- Students will review & practice CHAMPS behavior in classroom
- Students will make detailed qualitative observations of objects
- Students will use descriptive language to record observations
- Students will learn how to find Mrs. Duddles' webpage

Agenda:

- Collect missing syllabus parent signature page
- Discuss Activity 2 "Penny Observation" and "Making Observations and Inferences" labs
- HW Check: Did you find Mrs. Duddles' webpage?
- Discuss "Keeping a Science Notebook" lab activity set up format from HW assignment

Tuesday 09/15

Objectives:

- Students will review & practice CHAMPS behavior in classroom
- Students will make detailed qualitative observations of objects
- Students will use descriptive language to record observations
- Students will learn how to find Mrs. Duddles' webpage

Agenda:

- Collect missing syllabus parent signature page
- Introduction to lab room & brief discussion on lab expectations
- Start Activity 2 "The Glass Puzzle" and "Penny Observation" labs

HW:

Check Mrs. Duddles' webpage for homework assignment. Copy in to Science Notebook.

Monday 09/14

Objectives:

- Students will review & practice CHAMPS behavior in classroom
- Students will make detailed qualitative observations of objects
- Students will use descriptive language to record observations

Agenda:

- Collect syllabus parent signature page
- Discuss Activity 1 "Confection Connection" & making observations
- Start Activity 2 "The Glass Puzzle" lab

Friday 09/11

Objectives:

- Students will review & practice CHAMPS behavior in classroom
- Students will make detailed qualitative observations of objects
- Students will use descriptive language to record observations

Agenda:

- Collect syllabus parent signature page
- Distribute & Set Up Science Lab Notebook for Activity 1 "Confection Connection"

Thursday 09/10

Objectives:

- Students will learn CHAMPS behavior in classroom
- Students will learn to make detailed qualitative observations of objects

Agenda:

- Review CHAMPs classroom behavior
- Review Course Syllabus

HW:

- Review course syllabus with parents
- Return syllabus parent signature page to Mrs. Duddles by Friday 09/11

Wednesday 09/09

- Welcome Assembly/ Orientation with Dr. Neuhoff in cafeteria
- Shorten Class Schedule Run-through
  - Introduce CHAMPS classroom behavior model
  - Seating assignments for week 1

Welcome to MS2TC &

Mrs. Duddles' Science Class!

Tuesday 09/08

- ½ Day – Home School Only