The Great Energy Exploration

Kitchen/Dining Room

Grades K-2

Exploration 1

1. Press on the

2. Turn on the with the . Is the light green or red? ____________

3. Look at the . Press

4. Write in the Watts: __________

<table>
<thead>
<tr>
<th>Appliance</th>
<th>Part Number</th>
<th>Watts</th>
<th>Watts Used</th>
<th>Usage Cost</th>
</tr>
</thead>
</table>

Current Time: __________ AM
Electricity Cost: ________/kWh

Current Watts in Use: ________ W
Total Watts Used: ________ kWh
Total Cost: $ _________

5. Turn off the and press

Start
6. Press on the.

7. Turn on the with the. How do you know it is on? ________________

8. Look at the Press Pause

9. Write in the Watts. ________

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<td>_______ W</td>
<td>_______ kWh</td>
<td>$ ________</td>
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10. Which uses more watts?

11. Turn off the and press Reset
Exploration 2

1. Press **Start** on the

2. Turn on the **with the**

3. Look at the **Press**

4. Write in the Watts. ________

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Current Time:
__________AM

Electricity Cost:
__________/kWh

Current Watts in Use:
_________W

Total Watts Used:
_________kWh

Total Cost:
$_________
6. Press **Start** on the

7. Turn on with the

8. Look at the Press **Pause**

9. Write in the Watts. _________

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Current Time: __________ AM
Electricity Cost: __________/kWh

Current Watts in Use: __________ W
Total Watts Used: __________ kWh
Total Cost: $ __________

10. Which uses more Watts? _________

11. Turn **off** the and press **Reset**
Discussion 2

1. Which of the 4 appliances uses the most Watts?

2. Why do you think it uses the most?

__________________________________________________________________

__________________________________________________________________
Exploration 3
1. Press 🔄 and then 🎁
3. Turn on 3 appliances.
4. Look at the 📊
5. Press ⏯️ at 10:00AM
6. Draw the line graph from the 📊.

Discussion 3
1. Which appliance uses the most electricity?
________________________________
2. Why do you think that appliance uses the most electricity?
_______________________________________________________
_______________________________________________________
Turn off the appliances.
Exploration 4

1. Go to the store. Pick out 2 appliances that match your room.

   Plug them into the outlets that match your appliances.

2. Draw or write what you picked.

   We picked ___________ and ______________

3. Which appliance do you think uses more energy?

   ______________________________

4. Why did you make that prediction?

   ______________________________

   ______________________________

   ______________________________

5. Turn on your 2 appliances.

6. Was your prediction correct? ______________

   Why or why not? __________________________

   ______________________________
Apply It:

You have a fuse box in your house.

If you have too many appliances turned on, you might blow a fuse.

You would need to turn something off and reset the fuse.

Pick three appliances either from your room or from the store. The appliances need to go with your room.

What did you pick?

________________________________________________________________________

________________________________________________________________________

Experiment with your three appliances by plugging them in and turning them on.

If you were using too much energy and blew a fuse, which of the 3 should you unplug? Why?

________________________________________________________________________

________________________________________________________________________