

Riverside Elementary

Outdoor Parameter Measurements:

WalkthroughDate: 4/28/2004

Temp

RH

Co2

77.6

71%

337

	Category	Detail	Assessment Comments	Recommended Corrective Action
131	73.6	53%	524	
	<i>Temp</i>	<i>RH</i>	<i>Co2</i>	
	Excess Moisture in Classrooms	Condensate (condensed water, or "fog") on cold surfaces.	Teacher reported condensation on glass of door when room is cold. No condensation on porous materials.	Location should monitor condition and ensure moisture does not present on porous surfaces.
	General Classroom Information		2 occupants in classroom at time of assessment.	Environmental measurements were all within acceptable ranges at the time of assessment. No corrective action recommended at this time.
	General Cleanliness	Check for pests.	Teacher reported she hasn't seen any pests recently within the classroom.	No corrective action recommended at this time.
	Thermal Comfort	Humidity level.	The humidity was 53% at the time of assessment. The desired humidity level is below 60%.	No corrective action recommended at this time.
	Thermal Comfort	General items to watch for.	Teacher reported the room is generally too cold. Temperature was within recommended range.	Location should monitor situation and consider slightly raising thermostat within this area.
	Ventilation	Check for unexplained odors.	The teacher reported there is no odor in classroom. Item was identified inadvertently.	No corrective action recommended at this time.
132	72.4	55%	567	
	<i>Temp</i>	<i>RH</i>	<i>Co2</i>	
	Excess Moisture in Classrooms	Condensate (condensed water, or "fog") on cold surfaces.	Teacher reported condensation on glass of door when room is cold. No condensation on porous materials.	Location should monitor condition and ensure moisture does not present on porous surfaces.
General Classroom Information		7 occupants in classroom at time of assessment.	Environmental measurements were all within acceptable ranges at the time of assessment. No corrective action recommended at this time.	
General Cleanliness	Check for pests.	Teacher reported there used to be ants in the classroom. Has not seen any pests recently.	No corrective action recommended at this time.	

	<i>Category</i>	<i>Detail</i>	<i>Assessment Comments</i>	<i>Recommended Corrective Action</i>
	Thermal Comfort	Humidity level.	The humidity was 55% at the time of assessment. The desired humidity level is below 60%.	No corrective action recommended at this time.
	Thermal Comfort	General items to watch for.	Teacher reported the room is generally too cold. Temperature was within recommended range.	Location should monitor situation and consider slightly raising thermostat within this area.
	Ventilation	Check for unexplained odors.	Teacher reported she could smell odors from microwave in lounge when it is in use.	No corrective action recommended at this time.
203	72.7	55%	796	
	<i>Temp</i>	<i>RH</i>	<i>Co2</i>	
	General Classroom Information		21 occupants in classroom at time of assessment.	Environmental measurements were all within acceptable ranges at the time of assessment. No corrective action recommended at this time.
	Ventilation	Check for unexplained odors.	Identified "new carpet" smell upon entry of classroom.	No corrective action recommended at this time.
308	73.6	55%	568	I'm not sure about the moisture level in my room, but sometimes it smells musty.
	<i>Temp</i>	<i>RH</i>	<i>Co2</i>	
	General Classroom Information		21 occupants in classroom at time of assessment.	Environmental measurements were all within acceptable ranges at the time of assessment. No corrective action recommended at this time.
	General Cleanliness	Confirm that the classroom is cleaned properly	This class is an art room. Material and supplies within consistent with its use. Generally cleanliness appeared adequate at time of assessment.	Dust accumulation was observed with return air vents along light fixtures. Custodial staff should clean these vents.
	Thermal Comfort	General items to watch for.	Temperature was within acceptable range at time of assessment.	No corrective action recommended at this time.

	<i>Category</i>	<i>Detail</i>	<i>Assessment Comments</i>	<i>Recommended Corrective Action</i>
401	72.5 <i>Temp</i>	54% <i>RH</i>	897 <i>Co2</i>	
	Excess Moisture in Classrooms	Condensate (condensed water, or "fog") on cold surfaces.	Moisture stained ceiling tile observed in bathroom vestibule. Further inspection revealed stain was dry.	Location will contact project manager to have roof inspected for leak, and to replace stained tile. Monitor for further stains.
	General Classroom Information		21 occupants in classroom at time of assessment.	Environmental measurements were all within acceptable ranges at the time of assessment. No corrective action recommended at this time.
	General Cleanliness	Confirm that the classroom is cleaned properly	Dust accumulation was observed on environmental surfaces.	Custodial staff should thoroughly clean all environmental surfaces within classroom.
	My room is only recently mold and mildew free. The A/C and moisture situation still needs attention or the mold will be back.			
410	72.2 <i>Temp</i>	53% <i>RH</i>	851 <i>Co2</i>	
	Drain Traps in the Classroom	Drain traps, if present, can become a problem when the water in the drain trap evaporates due to infrequent use, allowing sewer gases to enter the room.	Teacher indicated she identified these items inadvertently. No problems were identified at time of inspection.	No corrective action recommended at this time.
	Excess Moisture in Classrooms	Check for leaks or signs of moisture from plumbing or roofs.	Teacher reported there are no known leaks in classroom.	No corrective action recommended at this time.
	General Classroom Information		21 occupants in classroom at time of assessment. Ants were observed in corner of room during assessment.	Environmental measurements were all within acceptable ranges at the time of assessment. Maintenance needs to establish work order to inspect room for pests and implement appropriate corrective action.
	Local Exhaust Fans	Confirm that fume hoods and local exhaust fans are used whenever activities that generate pollutants take place.	Teacher indicated she identified these items inadvertently. No problems were identified at time of inspection.	No corrective action recommended at this time.
	Local Exhaust Fans	General items.	Teacher indicated she identified these items inadvertently. No problems were identified at time of inspection.	No corrective action recommended at this time.
	Ventilation	If you have mechanical ventilation, confirm that air is flowing into the room from the air supply vent(s).	Teacher indicated she identified these items inadvertently. No problems were identified at time of inspection.	No corrective action recommended at this time.
	Ventilation	If you have mechanical ventilation, confirm that air is flowing from the room into the air return grille(s).	Teacher indicated she identified these items inadvertently. No problems were identified at time of inspection.	No corrective action recommended at this time.

	<i>Category</i>	<i>Detail</i>	<i>Assessment Comments</i>	<i>Recommended Corrective Action</i>
506				
		73.4	53%	968
		<i>Temp</i>	<i>RH</i>	<i>Co2</i>
	General Classroom Information		27 occupants in classroom at time of assessment.	Environmental measurements were all within acceptable ranges at the time of assessment. Maintenance needs to establish a work order to inspect room for pests and implement appropriate corrective action.
	Thermal Comfort	Humidity level.	Teacher reported the room is generally too cold. Temperature was within recommended range.	No corrective action recommended at this time.
	Thermal Comfort	General items to watch for.	Dust accumulation was observed on environmental surfaces.	Custodial staff should thoroughly clean all environmental surfaces within classroom.
509				
		77.8	61%	655
		<i>Temp</i>	<i>RH</i>	<i>Co2</i>
	General Classroom Information		HVAC system was not operational at time of assessment. Emergency work order has been established to address situation.	Maintenance needs to repair HVAC system and ensure environmental parameters are within acceptable range.
	Ventilation	If you have mechanical ventilation, confirm that air is flowing into the room from the air supply vent(s).	The coils in Air Handler Unit 1 (FISH 510) appeared to be in need of cleaning.	Maintenance needs to establish work order to inspect coils in this unit and take appropriate corrective action based on inspection.
512				
		78.1	61%	545
		<i>Temp</i>	<i>RH</i>	<i>Co2</i>
	Excess Moisture in Classrooms		Condensate (condensed water, or "fog") on cold surfaces.	There were no problems identified at the time of assessment.

	<i>Category</i>	<i>Detail</i>	<i>Assessment Comments</i>	<i>Recommended Corrective Action</i>
610	General Classroom Information		HVAC system was not operational at time of assessment. Emergency work order has been established to address situation.	Maintenance needs to repair HVAC system and ensure environmental parameters are within acceptable range.
	General Cleanliness	Confirm that the classroom is cleaned properly	Dust accumulation was observed on environmental surfaces.	Custodial staff should thoroughly clean all environmental surfaces within classroom.
	Thermal Comfort	General items to watch for.	Dust and debris was observed on the air supply and return registers at the time of the assessment.	Custodial staff should clean and sanitize the air supply and return registers in this classroom.
		(Filled out 2 surveys) - Room is usually cold. Condensation on windows on hot days. I am not able to answer some questions (e.g. fans, humidity). I do not know the answers to some of these questions, such as whether humidity is acceptable, or if fans work properly. There is a fine layer of black dust in the room.		
	73.6	52%	1199	
	<i>Temp</i>	<i>RH</i>	<i>Co2</i>	
701	Excess Moisture in Classrooms	Condensate (condensed water, or "fog") on cold surfaces.	Teacher reported there have been no recent problems.	No corrective action recommended at this time.
	General Classroom Information		23 occupants in classroom at time of assessment. Dust accumulation was observed on environmental surfaces.	Co2 was slightly elevated; however it is not a concern at this time. Custodial staff should thoroughly clean all environmental surfaces within classroom.
		Dust is a continuing problem (seems to be connected with the air conditioner).		
	75.1	55%	987	
	<i>Temp</i>	<i>RH</i>	<i>Co2</i>	
	General Classroom Information		26 occupants in classroom at time of assessment.	Co2 was slightly elevated; however it is not a concern at this time. Custodial staff should thoroughly clean all environmental surfaces within classroom.
	Local Exhaust Fans	Confirm that fume hoods and local exhaust fans are used whenever activities that generate pollutants take place.	Teacher reported fan in restroom was not operational when survey was completed. The fan has since been repaired.	No corrective action recommended at this time.
	Local Exhaust Fans	General items.	No problems identified at the time of assessment.	No corrective action recommended at this time.

	<i>Category</i>	<i>Detail</i>	<i>Assessment Comments</i>	<i>Recommended Corrective Action</i>
704	73.4 <i>Temp</i>	51% <i>RH</i>	1013 <i>Co2</i>	
	General Classroom Information		0 occupants in classroom at time of assessment.	Environmental measurements were all within acceptable ranges at the time of assessment. No corrective action recommended at this time.
	General Cleanliness	Check for pests.	No pests observed during assessment. Apparently there have been problems in the past.	Doughnuts were observed on the counter. Staff should be encouraged to store food items in sealable plastic containers.
705	73.4 <i>Temp</i>	53% <i>RH</i>	1096 <i>Co2</i>	
	General Classroom Information		21 occupants in classroom at time of assessment. Dust accumulation was observed on environmental surfaces.	Co2 was slightly elevated; however it is not a concern at this time. Custodial staff should thoroughly clean all environmental surfaces within classroom.
	Thermal Comfort	General items to watch for.	Teacher reported the room is generally too cold. Temperature was within recommended range.	No corrective action recommended at this time.
710	72.7 <i>Temp</i>	54% <i>RH</i>	956 <i>Co2</i>	
	Excess Moisture in Classrooms	Check for leaks or signs of moisture from plumbing or roofs.	Teacher reported condensation on glass of door when room is cold. No condensation on porous materials.	Location should monitor condition and ensure moisture does not present on porous surfaces.
	General Classroom Information		0 occupants in classroom at time of assessment. Dust accumulation was observed on environmental surfaces.	Environmental measurements were all within acceptable ranges at the time of assessment. Custodial staff should thoroughly clean all environmental surfaces within classroom.
	Thermal Comfort	General items to watch for.	Teacher reported the room is generally too cold. Temperature was within recommended range.	No corrective action recommended at this time.

	<i>Category</i>	<i>Detail</i>	<i>Assessment Comments</i>	<i>Recommended Corrective Action</i>
803				
	76.9	57%	1148	
	<i>Temp</i>	<i>RH</i>	<i>Co2</i>	
	General Classroom Information		23 occupants in classroom at time of assessment. Dust accumulation was observed on environmental surfaces.	Co2 was slightly elevated; however it is not a concern at this time. Custodial staff should thoroughly clean all environmental surfaces within classroom.
	Thermal Comfort	General items to watch for.	Teacher reported the room is generally too cold. Temperature was within recommended range.	No corrective action recommended at this time.
806				
	77.2	57%	1253	
	<i>Temp</i>	<i>RH</i>	<i>Co2</i>	
	Environmental Parameters			
	General Classroom Information		24 occupants in classroom at time of assessment.	Co2 was slightly elevated; however it is not a concern at this time. Custodial staff should thoroughly clean all environmental surfaces within classroom.
	General Cleanliness	Check for pests.	Ants were observed in classroom at time of assessment.	Maintenance needs to establish work order to inspect room for pests and implement appropriate corrective action.
807				
	75.6	56%	1121	
	<i>Temp</i>	<i>RH</i>	<i>Co2</i>	
	General Classroom Information		21 occupants in classroom at time of assessment.	Co2 was slightly elevated; however it is not a concern at this time. No corrective action recommended at this time.
	General Cleanliness	Check for pests.	There were no pests observed during the assessment of this room.	No corrective action recommended at this time.
	Thermal Comfort	General items to watch for.	Teacher reported the room is generally too hot. She reports no problems recently.	No corrective action recommended at this time.

	<i>Category</i>	<i>Detail</i>	<i>Assessment Comments</i>	<i>Recommended Corrective Action</i>
812				
		73.6	55%	1068
		<i>Temp</i>	<i>RH</i>	<i>Co2</i>
	General Classroom Information		0 occupants in classroom at time of assessment.	Environmental measurements were all within acceptable ranges at the time of assessment. No corrective action recommended at this time.
	Thermal Comfort	General items to watch for.	Temperature was within acceptable range at time of assessment.	No corrective action recommended at this time.
	Ventilation	Check for unexplained odors.	No odors were detected at time of assessment.	No corrective action recommended at this time.
813		I have mold allergies and they are aggravated by this school.		
		72.9	56%	1121
		<i>Temp</i>	<i>RH</i>	<i>Co2</i>
	General Classroom Information		21 occupants in classroom at time of assessment.	Co2 was slightly elevated; however it is not a concern at this time. No corrective action recommended at this time.
	General Cleanliness	Check for pests.	Spiders and ants were observed in this classroom at the time of the assessment.	Maintenance needs to establish work order to inspect room for pests and implement appropriate corrective action.
	Thermal Comfort	General items to watch for.	Teacher reported the room was too cold in previous years. This year there is no problem.	No corrective action recommended at this time.
850				
		74.0	50%	1327
		<i>Temp</i>	<i>RH</i>	<i>Co2</i>
	General Classroom Information		21 occupants in classroom at time of assessment. Co2 was slightly elevated at time of assessment.	Maintenance needs to establish work order to inspect the fresh air intake vents of this ventilation unit. Take appropriate action based on inspection.
	General Cleanliness	Confirm that the classroom is cleaned properly	Dust accumulation was observed on environmental surfaces.	Custodial staff should thoroughly clean all environmental surfaces within classroom.

<i>Category</i>	<i>Detail</i>	<i>Assessment Comments</i>	<i>Recommended Corrective Action</i>								
852	<div style="border: 1px solid black; width: 100%; height: 20px; margin-bottom: 5px;"></div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; width: 25%; text-align: center;">72.7</td> <td style="border: 1px solid black; width: 25%; text-align: center;">54%</td> <td style="border: 1px solid black; width: 25%; text-align: center;">1454</td> <td style="width: 25%;"></td> </tr> <tr> <td style="text-align: center;"><i>Temp</i></td> <td style="text-align: center;"><i>RH</i></td> <td style="text-align: center;"><i>Co2</i></td> <td></td> </tr> </table>	72.7	54%	1454		<i>Temp</i>	<i>RH</i>	<i>Co2</i>			
72.7	54%	1454									
<i>Temp</i>	<i>RH</i>	<i>Co2</i>									
Excess Moisture in Classrooms	Check for leaks or signs of moisture from plumbing or roofs.	In the past there was a plumbing leak in the restroom. Appears that the leak has been corrected.	No corrective action recommended at this time.								
Excess Moisture in Classrooms	Condensate (condensed water, or "fog") on cold surfaces.	There were no problems observed at time of assessment.	No corrective action recommended at this time.								
General Classroom Information		25 occupants in classroom at time of assessment. Co2 level was slightly elevated at time of assessment.	Maintenance needs to establish work order to inspect the fresh air intake vents of this ventilation unit. Take appropriate action based on inspection.								
General Cleanliness	Check for pests.	Ants were observed in classroom at time of assessment.	Maintenance needs to establish work order to inspect room for pests and implement appropriate corrective action.								
General Cleanliness	Confirm that the classroom is cleaned properly	Classroom contains an over-abundance of materials and supplies.	Teacher needs to be encouraged to limit the amount of materials and supplies in the classroom that can serve as microbial reservoir.								
	I see no purpose to this exercise. Most does not apply to me or my classroom and it is another waste of time.										
855	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; width: 25%; text-align: center;">72.4</td> <td style="border: 1px solid black; width: 25%; text-align: center;">52%</td> <td style="border: 1px solid black; width: 25%; text-align: center;">943</td> <td style="width: 25%;"></td> </tr> <tr> <td style="text-align: center;"><i>Temp</i></td> <td style="text-align: center;"><i>RH</i></td> <td style="text-align: center;"><i>Co2</i></td> <td></td> </tr> </table>	72.4	52%	943		<i>Temp</i>	<i>RH</i>	<i>Co2</i>			
72.4	52%	943									
<i>Temp</i>	<i>RH</i>	<i>Co2</i>									
General Classroom Information		0 occupants in classroom at time of assessment.	Environmental measurements were all within acceptable ranges at the time of assessment. No corrective action recommended at this time.								
General Cleanliness	Confirm that the classroom is cleaned properly	Dust accumulation was observed on environmental surfaces.	Custodial staff should thoroughly clean all environmental surfaces within classroom.								
Thermal Comfort	General items to watch for.	Temperature was within acceptable range at time of assessment.	No corrective action recommended at this time.								
	I do not have a humidity reader in the classroom so I cannot determine the average humidity.										

	<i>Category</i>	<i>Detail</i>	<i>Assessment Comments</i>	<i>Recommended Corrective Action</i>
901	73.1 <i>Temp</i>	59% <i>RH</i>	1126 <i>Co2</i>	
	General Classroom Information		23 occupants in classroom at time of assessment.	Co2 was slightly elevated; however it is not a concern at this time. No corrective action recommended at this time.
	General Cleanliness	Confirm that the classroom is cleaned properly	General cleanliness appeared adequate on date of assessment.	No corrective action recommended at this time.
	Thermal Comfort	General items to watch for.	Temperature was within acceptable range at time of assessment.	No corrective action recommended at this time.
	Ventilation	Determine how your classroom is ventilated.	There were no problems identified at time of assessment.	No corrective action recommended at this time.
904	73.3 <i>Temp</i>	59% <i>RH</i>	1185 <i>Co2</i>	
	General Cleanliness	Check for pests.	Ants were observed in classroom at time of assessment.	Maintenance needs to establish work order to inspect room for pests and implement appropriate corrective action.
	General Cleanliness	Confirm that the classroom is cleaned properly	Dust accumulation was observed on environmental surfaces.	Custodial staff should thoroughly clean all environmental surfaces within classroom.
905	73.3 <i>Temp</i>	58% <i>RH</i>	1133 <i>Co2</i>	
	Excess Moisture in Classrooms		There was apparent water damage to the southwest wall of the media center.	Maintenance needs to establish work order to inspect window seal on southwest wall and repair apparent water damage to baseboard.
	General Classroom Information		20 occupants in classroom at time of assessment.	Co2 was slightly elevated; however it is not a concern at this time. No corrective action recommended at this time.
	General Cleanliness	Confirm that the classroom is cleaned properly	General cleanliness appeared adequate on date of assessment.	No corrective action recommended at this time.

	<i>Category</i>		<i>Detail</i>	<i>Assessment Comments</i>	<i>Recommended Corrective Action</i>
School Grounds	<input data-bbox="378 121 535 162" type="text"/> <i>Temp</i>	<input data-bbox="577 121 735 162" type="text"/> <i>RH</i>	<input data-bbox="756 121 913 162" type="text"/> <i>Co2</i>	<p>It was observed that some areas of sod in the courtyards were a higher elevation than the walkways.</p>	<p>Maintenance needs to establish work order to re-grade areas of school in order to funnel water away from building and walkways.</p>
<input data-bbox="598 357 1942 397" type="text"/>					