



**Ultraviolet (UV) Wand**  
Representative Education Room Disinfecting Protocols

[purify-one.com](https://purify-one.com)

# ELEMENTARY ART ROOM



## Recommended Use:

- Scenario: Elementary Art Room
- Distance: 8.00 inches above surface or Object\*
- Duration: 5.00 seconds
- Coverage: 2.50 sq./ft.
- Transition Time Between Seats: 2.00 seconds
- # of Wands in Use: 1

\* Assumes direct exposure - i.e. not angled

Seats	Sq./In.	Length (inches)	Width (inches)
Stool Seat	54.00	9	6
Stool Legs	72.00	12	6
Desk	288.00	24	12
<b>Total (Sq./In.)</b>	<b>414.00</b>		
<b>Conversion to (Sq./Ft.)</b>	<b>2.88</b>		

Other	Sq./In.	Length (inches)	Width (inches)
Student's Storage & Common Area	17,280.00	120	144
Teacher's Area	3,600.00	60	60
<b>Total (Sq./In.)</b>	<b>20,880.00</b>		
<b>Total (Sq./In.)</b>	<b>20,880.00</b>		
<b>Conversion to (Sq./Ft.)</b>	<b>145.00</b>		

## Time Analysis

# of Classroom Seats	12
Time to Disinfect (in Seconds)	69.00
Transition time between Seats (in Seconds)	24.00
<b>SUBTOTAL</b>	<b>93.00</b>
Student's Storage & Common Area (in Seconds)	240.00
Teacher's Area (in Seconds)	50.00
<b>SUBTOTAL</b>	<b>290.00</b>

TOTAL (in Seconds)	383.00	
TOTAL (in Minutes)	06:23	Per Wand
TOTAL (in Minutes)	<b>06:23</b>	Per Classroom



Room Dimensions  
36.5' L x 25' W

# COLLABORATION AREA



## Recommended Use:

- Scenario: Collaboration Area
- Distance: 8.00 inches above surface or Object\*
- Duration: 5.00 seconds
- Coverage: 2.50 sq./ft.
- Transition Time Between Seats: 2.00 seconds
- # of Wands in Use: 2

\* Assumes direct exposure - i.e. not angled

Seats	Sq./In.	Length (inches)	Width (inches)
Seat Back	182.00	14.00	13.00
Seat	156.00	13.00	12.00
Reverse Seat Back	182.00	14.00	13.00
Desk	576.00	24.00	24.00
<b>Total (Sq./In.)</b>	<b>1,096.00</b>		

Conversion to (Sq./Ft.) **7.61**

Other	Sq./In.	Length (inches)	Width (inches)
Student's Group Seating	3,600.00	60.00	60.00
Teacher's Area	3,600.00	60.00	60.00
<b>Total (Sq./In.)</b>	<b>7,200.00</b>		

**Total (Sq./In.) 7,200.00**  
 Conversion to (Sq./Ft.) **50.00**

## Time Analysis

# of Classroom Seats	40
Time to Disinfect (in Seconds)	608.89
Transition time between Seats (in Seconds)	80.00
<b>SUBTOTAL</b>	<b>688.89</b>
Student's Group Seating (in Seconds)	50.00
Teacher's Area (in Seconds)	50.00
<b>SUBTOTAL</b>	<b>100.00</b>

TOTAL (in Seconds)	<b>788.89</b>	
TOTAL (in Minutes)	13:09	Per Wand
TOTAL (in Minutes)	<b>06:34</b>	Per Room



# COLLABORATIVE CLASSROOM



## Recommended Use:

- Scenario: Collaborative Classroom
- Distance: 8.00 inches above surface or Object\*
- Duration: 5.00 seconds
- Coverage: 2.50 sq./ft.
- Transition Time Between Seats: 2.00 seconds
- # of Wands in Use: 1

\* Assumes direct exposure - i.e. not angled

Seats	Sq./In.	Length	Width
Seat Back	182.00	14.00	13.00
Seat	156.00	13.00	12.00
Reverse Seat Back	182.00	14.00	13.00
Desk	651.00	21.00	31.00
<b>Total (Sq./In.)</b>	<b>1,171.00</b>		

Conversion to (Sq./Ft.) **8.13**

Other	Sq./In.	Length (inches)	Width (inches)
Classroom Common Areas	3,600.00	60.00	60.00
Teacher's Area	3,600.00	60.00	60.00
<b>Total (Sq./In.)</b>	<b>7,200.00</b>		

**Total (Sq./In.) 7,200.00**  
 Conversion to (Sq./Ft.) **50.00**

## Time Analysis

# of Classroom Seats	16
Time to Disinfect (in Seconds)	260.22
Transition time between Seats (in Seconds)	32.00
<b>SUBTOTAL</b>	<b>292.22</b>

Classroom Common Areas (in Seconds)	50.00
Teacher's Area (in Seconds)	50.00
<b>SUBTOTAL</b>	<b>100.00</b>

TOTAL (in Seconds) **392.22**

TOTAL (in Minutes) **06:32** Per Wand

TOTAL (in Minutes) **06:32** Per Classroom



# BREAKROOM CENTER



## Recommended Use:

- Scenario: Breakroom Center
- Distance: 8.00 inches above surface or Object\*
- Duration: 5.00 seconds
- Coverage: 2.50 sq./ft.
- Transition Time Between Seats: 2.00 seconds
- # of Wands in Use: 2

\* Assumes direct exposure - i.e. not angled

Seats	Sq./In.	Length (inches)	Width (inches)
Bench Back	585.00	39.00	15.00
Seat	1,248.00	39.00	32.00
Reverse Seat Back	585.00	39.00	15.00
Table	400.00	20.00	20.00
<b>Total (Sq./In.)</b>	<b>2,818.00</b>		

Conversion to (Sq./Ft.) **19.57**

Other	Sq./In.	Length (inches)	Width (inches)
Student's Group Seating	3,600.00	60.00	60.00
<b>Total (Sq./In.)</b>	<b>3,600.00</b>		

**Total (Sq./In.) 3,600.00**  
 Conversion to (Sq./Ft.) **25.00**

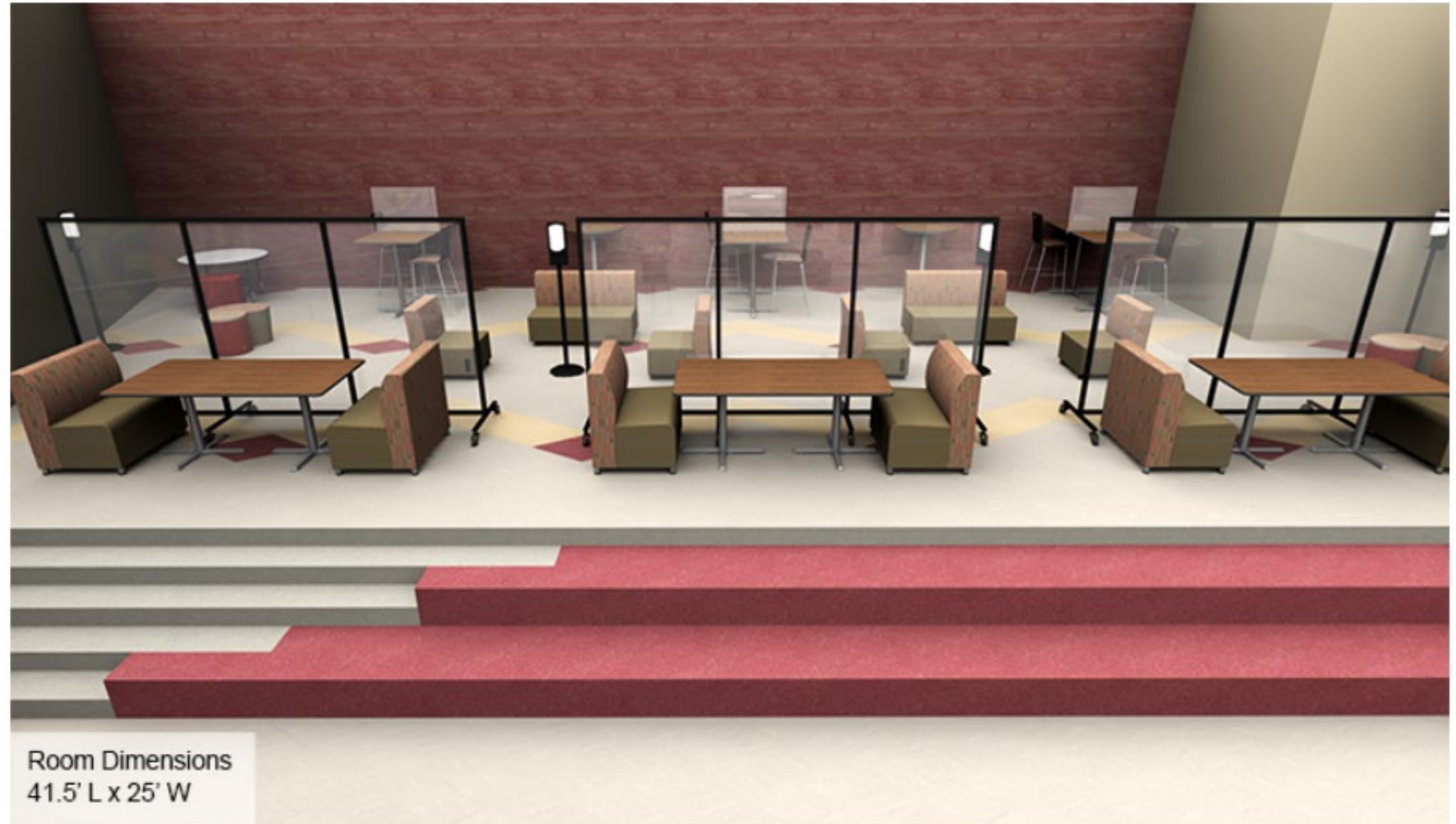
## Time Analysis

# of Seating Areas	10
Time to Disinfect (in Seconds)	391.39
Transition time between Seats (in Seconds)	20.00
<b>SUBTOTAL</b>	<b>411.39</b>

Student's Group Seating (in Seconds)	50.00
<b>SUBTOTAL</b>	<b>50.00</b>

TOTAL (in Seconds) **461.39**  
 TOTAL (in Minutes) **07:41** Per Wand

TOTAL (in Minutes) **03:51** Per Room



# TRAINING CENTER



## Recommended Use:

- Scenario: Training Center
- Distance: 8.00 inches above surface or Object\*
- Duration: 5.00 seconds
- Coverage: 2.50 sq./ft.
- Transition Time Between Seats: 2.00 seconds
- # of Wands in Use: 1

\* Assumes direct exposure - i.e. not angled

Seats	Sq./In.	Length (inches)	Width (inches)
Seat Back	182.00	14.00	13.00
Seat	156.00	13.00	12.00
Reverse Seat Back	182.00	14.00	13.00
Desk	324.00	18.00	18.00
<b>Total (Sq./In.)</b>	<b>844.00</b>		

Conversion to (Sq./Ft.) **5.86**

Other	Sq./In.	Length (inches)	Width (inches)
Teacher's Area	3,600.00	60.00	60.00
<b>Total (Sq./In.)</b>	<b>3,600.00</b>		

**Total (Sq./In.) 3,600.00**  
 Conversion to (Sq./Ft.) **25.00**

## Time Analysis

# of Classroom Seats	26
Time to Disinfect (in Seconds)	304.78
Transition time between Seats (in Seconds)	52.00
<b>SUBTOTAL</b>	<b>356.78</b>
Teacher's Area (in Seconds)	50.00
<b>SUBTOTAL</b>	<b>50.00</b>

TOTAL (in Seconds) **406.78**  
 TOTAL (in Minutes) **06:47** Per Wand

TOTAL (in Minutes) **03:23** Per Room

