



CHAPPAQUA
Central School District

DISTRICTWIDE HEAT ALLEVIATION PLAN

May 29, 2019

Heat Pattern Considerations



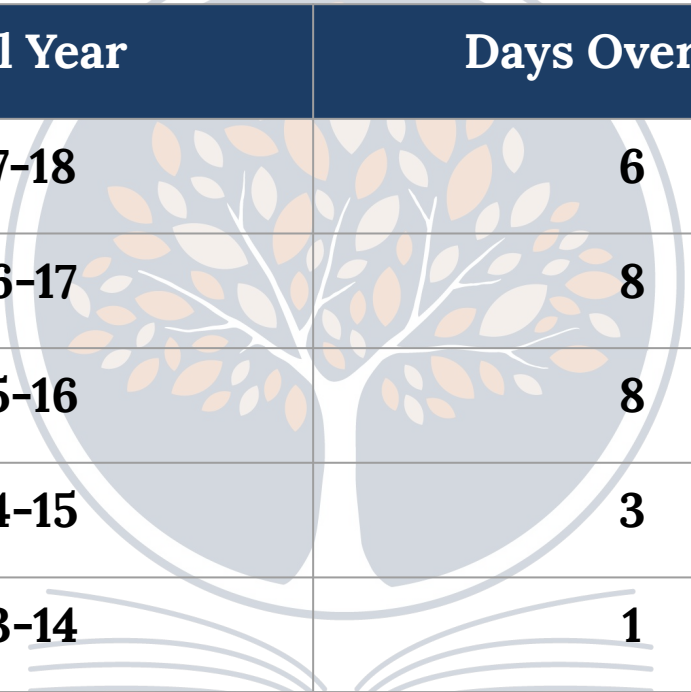
ANALYSIS OF HOT DAYS

90 Degree Day Information at Central Park*

Number of 90°F + Degree Days By Month								
Year	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
1999	0	0	6	18	3	0	0	27
2000	0	3	3	0	0	0	0	6
2001	0	3	2	2	8	0	0	15
2002	3	0	1	12	14	2	0	32
2003	0	0	4	2	2	0	0	8
2004	0	0	1	0	1	0	0	2
2005	0	0	4	8	9	2	0	23
2006	0	0	1	4	3	0	0	8
2007	0	2	2	2	4	0	0	10
2008	0	0	4	6	1	1	0	12
2009	2	0	0	0	5	0	0	7
2010	1	1	4	16	12	3	0	37
2011	0	0	3	14	3	0	0	20
2012	0	0	5	10	3	0	0	18
2013	0	2	3	10	1	1	0	17
2014	0	0	0	3	3	2	0	8
2015	0	0	1	5	8	6	0	20
2016	0	2	0	10	7	2	0	21
2017	0	3	3	5	1	1	0	13
2018	0	2	3	6	7			18

* Source: weather.gov

SEPTEMBER THROUGH JUNE
(including weekends)



School Year	Days Over 90°F
2017-18	6
2016-17	8
2015-16	8
2014-15	3
2013-14	1

Air Conditioning in Westchester School Districts - Analysis



School Districts That Are Fully Air Conditioned



12 Districts Identified a Particular Building or Buildings with Air Conditioning

Westchester, Putnam and Rockland County

TEMPERATURE MEASUREMENT



Heat Reading
Device



\$7 per Unit

CCSD Hot Weather Protocol

- *BOCES Health/Safety Team*
- *District Administrators*
- *Building Administrators*



HOT WEATHER PROTOCOL

The Chappaqua Central School District has spaces within our school buildings which are air conditioned. On extremely hot days, the schools will rotate students into cooler spaces and/or reduce time outside to give students relief from the heat.

This rotation will be activated by the building principal or designee.

95 Degree Heat Index Outside

85 Degree Temp. Reached Inside Classroom

Procedure for Temperature Breach

95 Degrees Heat Index Reached Outside (Guidelines NYS Public HS Athletic Association)

85 Degrees Reached Inside Classroom

Classroom

**Rotational Schedule
Authorized**

Teachers will be rotated in cooling centers for instruction in 40 min. intervals if classroom temp. reaches 85 degrees

- Faculty Notifies Administration
- Administration Creates Schedule
- Secretaries Communicate Schedule
- District Adm. Notified

Recess

Indoor Recess Authorized

Students will have recess inside in area that does not exceed threshold.

- Administration Notifies Faculty
- District Adm. Notified

PE Class

Indoor PE Authorized

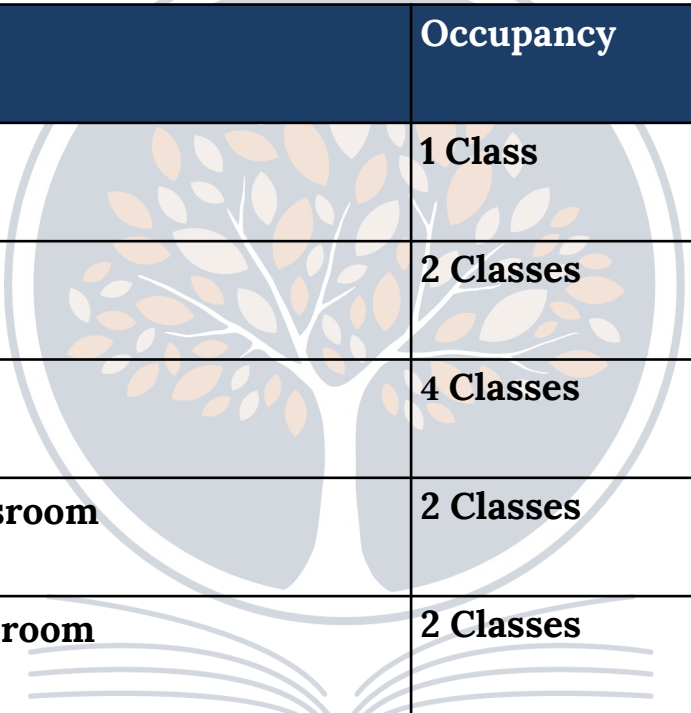
Students will have a low impact PE classes.

- Administrator Notifies Faculty

*Cooling
Locations
By Building*

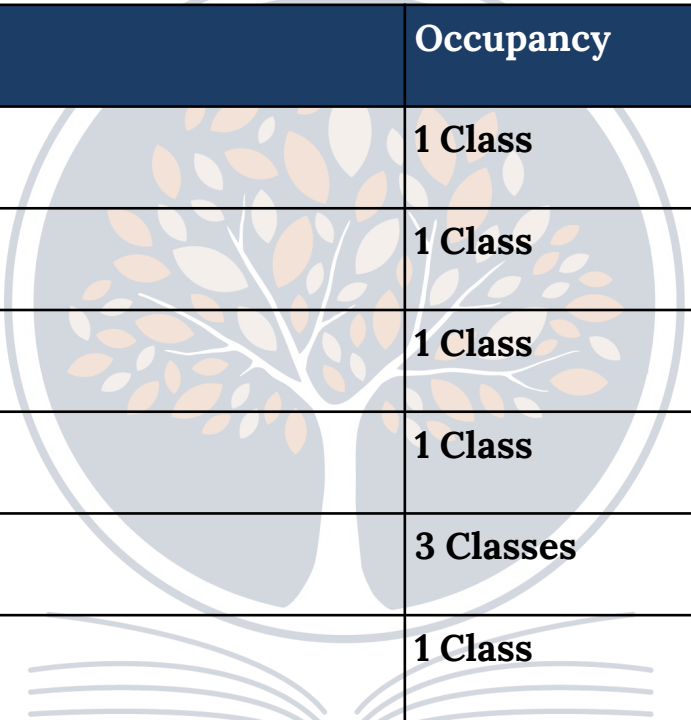


DOUGLAS GRAFFLIN



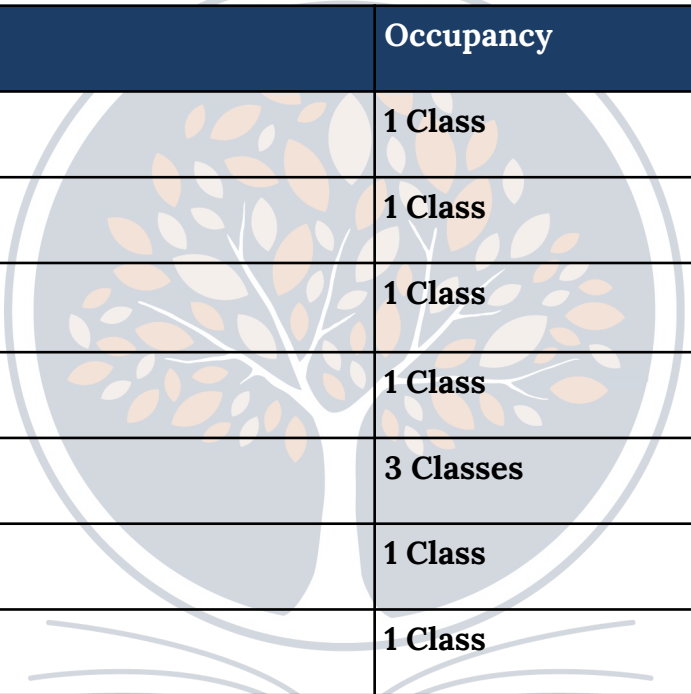
Room Identification	Occupancy
Faculty Room	1 Class
Room 208	2 Classes
Global Learning Center	4 Classes
Room 6 Kindergarten Classroom	2 Classes
Room 7 Kindergarten Classroom	2 Classes

ROARING BROOK



Room Identification	Occupancy
Room 124	1 Class
Faculty Room	1 Class
FAW 1A	1 Class
FAW 2	1 Class
Global Learning Center	3 Classes
MakerSpace	1 Class

WESTORCHARD



Room Identification	Occupancy
Conference Room	1 Class
Music Room (A-1)	1 Class
Band Room (A-2)	1 Class
Faculty Room	1 Class
Global Learning Center	3 Classes
MakerSpace	1 Class
SpEd Classroom E-3	1 Class

ROBERT E. BELL Middle School

Room Identification	Occupancy
Orchestra Room (Rm 250)	6 Classes
Library	5 Classes
Room 333	2 Classes
Art Room Computer Lab - 300/302	1 Class
Faculty Room (4th Floor)	1 Class
STEAM Center	3 Classes

SEVEN BRIDGES Middle School

Room Identification	Occupancy
Dining Commons	250
Room 105	2 Classes
Room 106	2 Classes
Music Room	2 Classes
Lower Commons	3 Classes
Upper Commons	3 Classes
PAC	539
Library	3 Classes
Computer Lab - Main Floor 2 nd	1 Class
Computer Lab - Main Floor	1 Class
Room 311	1 Class
Art Room	2 Classes
Art Room	2 Classes
Technology Room	1 Class
Faculty Room	1 Class

HORACE GREELEY High School

Building/Room Identification	Occupancy
A Building	
Fitness Center & Mind/Body Studio	2 Classes
B Building	
Auditorium	500
Performing Arts Room	1 Class
Band Room	1 Class
C Building	
LIFE School Office	½ Class
Room C-4	1 Class
Room C-5	1 Class
D Building	
Room D-2	1 Class
Room D-6	1 Class
Room D-7	1 Class
Academic Commons	2 Classes

HORACE GREELEY High School

Building / Room Identification	Occupancy
Counseling Department	
Main Office/College Career Room	1 Class
Conference Room	1 Class
L Building	
Upper L Building	8 Classes
K Building	
K Computer Lab	1 Class
Room K110	4 Classes
E & F Buildings	
iLab	3 Classes
Room E-1	1 Class
Studio 6	1 Class
Studio 7	1 Class
Art Computer Lab	1 Class
J Building	
Math Office	½ Class
Science Office	½ Class
Global Learning Center	4 Classes



Facilities Committee Recommendations

Bell Middle School 4th Floor

White Roof: \$44K

Horace Greeley High School Cafeteria

A/C Kitchen & Ceiling Fans: \$40K

Guidance Needed from Board of Education

- **Horace Greeley Cafeteria**
 - A/C Entire Cafeteria Space: \$275K
- **Bell Middle School- 4th Floor**
 - A/C All 4th Floor Classrooms: \$220K
- **Classroom Digital Thermometers**
 - \$7 per Classroom \$2,600 (plus batteries)
- **Multi-Year Plan to A/C Cafeterias**
- **KG&D Air Conditioning District Analysis**
 - \$37,400
- **KG&D Analysis of Air Conditioning all Cafeterias**
 - \$20,000

