









## Plan for Managing the Learning Environment

- 7. Technology Tools:** Technology can improve the way you manage the learning environment by helping save instructional time, track trends in student behavior, create lines of communication with families, and even empower students to take leadership roles. Integrate some technology tools for managing the learning environment in a physical and online classroom into this planning document and explain how you plan to use each.

Management Technology	
Technology	Rationale and Use
	Technology used in the MCPSmd classroom can vary by grade, so I'll will concentrate on the elementary level use of technology
<p>Telephone</p> 	<p>Teacher use</p> <p>All classrooms have a regular telephone for internal and external landline calls. The office and health staff will call if the teacher doesn't not hear the overhead intercomm</p>
<p>Chromebooks/Dell laptop and desktop</p>	<p>It is standard for all teachers to have access to a Dell laptop and desktop. Both of these are connected and work together so we can screenshare to our Boxlight. We are also given a laptop for use at home and travel.</p>
<p>Boxlight *Introduced in 2022</p> 	<p>Boxlight is an interactive smart whiteboard that is connected to teachers' desktop and laptop. It allows teachers to screenshare presentations from our desktops from our Drives as well as interactively use with students.</p>
<p>Document cameras</p>	<p>Teachers use document cameras for items that are not electronically saved. MCPSmd distributed Aver brand cameras during distance learning. We can also use Elmos. This is includes small physical items and book pages.</p>

	<p>Document cameras are updated projectors that teachers can keep on their desks. These came in hand for remote learning.</p>
<p>Internet Service</p> 	<p>Teachers need access to the internet, so the entire school is wifi-enabled. We must go through our MCPSmd portal accounts in order to prevent inappropriate content being used. Teachers run into a fairly strict blocked notice for many sites as part of the MCPS website ban and access policy is pretty strict.</p> <p><b>See, opinion article:</b> <a href="#">Silver Chips Online</a>: Parikh, Sachin, 2022, Feb 2. "It's overkill" - MCPS clearly oversteps in its website ban policy".</p>
<p>Classroom Software/Educational Programs</p>    <p><b>ClassDojo</b></p> 	<p>MCPSmd have access to many pre-approved online programs to serve various roles"</p> <p><b>Class Admin Management:</b> Synergy is the system teachers use to take attendance, take lunch counts, and add to Gradebook. Synergy has all the personal data of students. It is also used as a communication tool between staff, parents and students.</p> <p>ParentVue powered by Synergy is the tool used by parents to access their child's records including report cards and attendance information.</p> <p>MCPSmd has many education programs available to teachers and students. Teachers can access these logins and password through the School's Media Page (Somerset ES)</p> <p><b>Classroom Management:</b> Teachers uses ClassDojo and now Remind as assistive ways to monitor student behavior interactively with students. ClassDojo is a fun program. Remind is more of a communication tool</p> <p>MCPSmd recently announced as the program to use.</p>
<p>Printers, Scanners and Laminators</p>	<p>Each floor of a school can house a workroom containing a printer and scanner. There is a laminator located on the Main Floor. These are all essential to the teacher's working day.</p>
<p>Chromebook Carts – charging bay and Chromebooks</p>	<p>For students: Each classroom (in my school, at least) has a Chromebook cart/charging bay which holds up to 30 student Chromebooks for student use. These are used for project research, testing and other educational purposes.</p>

## Technology for the Online Classroom:

### Document cameras



Teachers use document cameras for items that are not electronically saved. MCPSmd distributed Aver brand cameras during distance learning. We can also use Elmos – a different brand that does the same job. Objects that can be shown includes small physical items and book pages. Document cameras are updated projectors that teachers can keep on their desks.

### Chromebooks

Both teachers and students were given the use of a personal Chromebook to use from home so that teachers could teach and students could access the online lessons.

### Internet connection

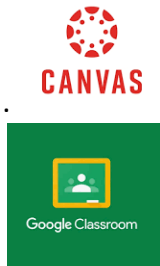
To teach or learn remotely, it is important to have an internet connection or at least some internet.

### WIFI Booster/Extender



Based on my own experience when I was teaching remotely during the lockdown, I had to install WIFI boosters in my home office to limit the bad connections and zoom drops.

### Learning Management System



In order to keep students safe while being taught remotely, school's provide a learning management system platform for school related communication, distributing assignments and for sharing documents. My school used CANVAS and Google Classroom.

### Internal Webcams and external webcams



All school distributed Chromebooks have internal webcams. External webcams can also be used. This helped with desktops without a functional webcam or to create a better angle for the zoom.

I used Logitech for my office desktop. I also used extra mac laptops to get a better visual on all my students I was teaching.