TECHNOLOGY INTEGRATION IN CLASSROOM TEACHING: 
GUIDE FOR EFFECTIVE IMPLEMENTATION 

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In today’s modern world technology is being part of our everyday life. Same as in education, the use of technology as instructional material has become more popular. Educators nowadays are using technology in their daily lesson due to the convenience but somehow others were discouraged due to problems encountered during the implementation. Issues and concern in using technology were not avoided but minimized, if the one who used it was trained and have enough knowledge. As an e-Learning consultant and technology integration specialist for five (5) years let me give you some guide for effective implementation of technology integration in the classroom.

P - Prepare, prepare and prepare. Teachers who are planning to integrate technology in their lesson shall do advance preparation of equipment before classes started. This is a common concern of people using technology when doing classes, it takes for about 5 to 10 minutes to set-up of the equipment. Another concern is device compatibility. There are cases that sometimes projector is not compatible to the laptop of the teacher, no VGA or HDMI. Cases like this will be avoided if the teacher check in advance the compatibility of laptop and the projector, preparation on the other hand is lacking in this case. The use of smart TV or monitor is highly recommended than using a projector it requires less preparation time. Also television and monitor were equipped with speaker unlike some of the projector.

L - Learn. It is a known fact that knowledge is power. In today’s modern world basic ICT skills is required. Teachers who are planning to integrate technology in classroom teaching must have enough knowledge about technology especially to the devices he or
she is going to use. Teachers must learn the basic parts of the device like projector, speaker, television, laptop and desktop. These are the most common devices you can find in a classroom environment which integrates technology in their daily class. Some of advance schools like Ateneo has their interactive whiteboard. Teachers who aspire to maximize the use of their devices and maintain it may ask for the help of their ICT coordinators.

A - Appropriate. There are thousands of resources available online. Teachers and students have a full access of those information. Teachers due to busy schedules download resources online to present in the class, sometimes they don’t do scanning of those downloaded materials and realize during the class that the presentation is inappropriate to the level of students. This is one of the most common mistakes of the teacher. Teacher should keep on mind to check the presentation materials especially those downloaded videos and photos before presenting them to the class. There are a lot of resources online that contain malicious content and misleading information. Other website like Wikipedia is not suggested internationally as source of info due to the information can be edited by anyone who have an access on the internet even a 6 year old child can edit the info in Wikipedia. Teacher must always check the validity of resources. Another concern that I always encounter is there are teachers that totally hook in using technology in classroom teaching but sometimes there are topics that are best discussed without the use of technology especially those performance tasks that require student to perform or to do specific task. Like for example a science experiment, there are ready made science experiments online but topics like this is more interesting if student performs. Another example is solving mathematics problems, doing mathematical symbol in a power point presentation is very hard and it takes a lot of teacher’s time.

N - Nurture. Teachers who found technology in the classroom very convenient sometimes become dependent on it. I found other teachers let the video tutorials
discussed the topic to the students and not doing any reinforcement after. Technology integration in the class is not to make computer do the discussion, rather it should only there to supplement or help teacher to present well the discussion. Technology in classroom teaching must enhance teacher’s presentation material and make interactive and engaging to the student. Technology without teacher’s intervention is like student talking to a robot. Technology integration is all about teachers effort, lesson pedagogy combined to technology to enhance teacher and student teaching and learning process.

Reference:
Hamilton, B. (2015). Instruction use of technology. Integrating Technology in the Classroom: Tools to meet the need of every Student (pp. 57 – 70).