



APP Rationale Form

For the educational purchase of ipod/ipad apps...

(Please complete and submit this form to the technology office, through Heather Hunt.)

Teacher Name: Barb Smith	Building: ALES
Grade Level and Content Area: STEAM PreK-5	
Name and Cost of App: Synthiam ARC Mobile/JD Revolution EZ-Robot Free	
URL of App, if available: https://www.ez-robot.com/getting-started.html	
Brief description of the App: I ordered the JD Revolution EZ-Robot and in order to make it work, it needs an app so the students can code. I only have student i-Pads (not laptops), so I am hoping this will work on the i-Pads. If not, I may need to request at least 5 student laptops to house in my computer lab.	
Plans for classroom use of the App: The students will learn coding through the use of the robot.	
Connection to NYSED P-12 Common Core Learning Standards &/or NYS Teaching Standards: (see http://www.highered.nysed.gov/tcert/reteachers/teachingstandards.html or http://engageny.org/teachers/) Computational Thinking 4-6.CT.1 Develop a computational model of a system that shows changes in output when there are changes in inputs. 4-6.CT.6 Compare two or more algorithms and discuss the advantages and disadvantages of each for a specific task. 4-6.CT.7 Identify pieces of information that might change as a program or process runs. 4-6.CT.8 Develop algorithms or programs that use repetition and conditionals for creative expression or to solve a problem. 4-6.CT.9 Explain each step of an algorithm or program that includes repetition and conditionals for the purposes of debugging. 4-6.CT.10 Describe the steps taken and choices made to design and develop a solution using an iterative design process.	

Allegany -Limestone Central School

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Evidence that this App has worthwhile classroom value:

(include specific students groups who would use it, other contents areas where it could be used, access to a demo or tutorial on the App, etc)

I am planning on starting with Grades 4-5. If they do well, I may introduce it to Grade 3.

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