

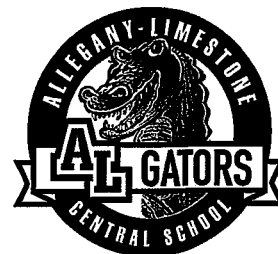
Allegany-Limestone Central School

3131 Five Mile Road

Allegany, New York

14706

www.ALCSny.org



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: Jeffrey Ciminesi	Building: ALES
Grade Level and Content Area: 5 th grade, Afterschool group	
Name and Cost of App: Lego Mindstorms Education EV3 Software, Free	
URL of App, if available: https://education.lego.com/en-us/downloads/mindstorms-ev3/software	
Brief description of the App: Lego Mindstorms App is used to create coding and programming that allows students to control and interact with Lego Mindstorms educational robots.	
Plans for classroom use of the App: The app will be used with a pilot group of students in several afterschool sessions. Students will build the Lego Mindstorms EV3 robot, then create code and programming to control the robot and solve challenges and tasks created for the robot.	
Connection to NYSED P-12 Common Core Learning Standards &/or NYS Teaching Standards: (see http://www.highered.nysed.gov/tcert/resteachers/teachingstandards.html or http://engageny.org/teachers/) The coding process and problem solving aspect of this app will allow the students to develop skills related to mathematical practice standards such as problem solving and perseverance. Additionally, depending on the challenge, students will learn graphing, measurement, scaling and geometry skills by use of the app and the robot.	
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) This app will be used in a small afterschool group primarily to develop problem solving and interpersonal skills such as cooperation and collaboration. However, the technology could be used for a variety of other curricular goals. Possible curriculum ideas are available at https://education.lego.com/en-us/downloads/mindstorms-ev3/curriculum	

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