

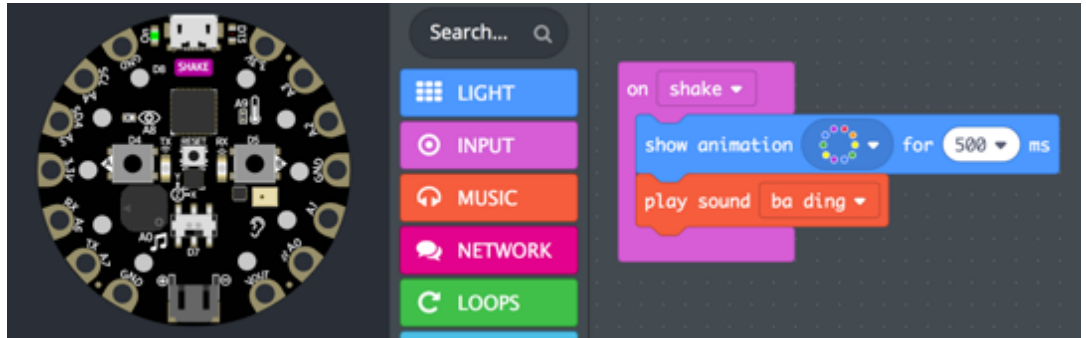
# Winter Toy Hack



Join us for a two-hour afternoon workshop using a little computer and motor to create an animated winter holiday toy. Grades 2-8.

We'll connect a Circuit Playground Express (CPX) to a motor and make simple creatures (such as a snowman or reindeer) move. We'll program the computer to light colored lights and play music. If time permits we'll add features that respond to motion, sound, light, or temperature. After this class you can continue to improve the project, or use the CPX for all sorts of other fun projects. Here's an example of a similar but Halloween-themed project: [www.youtube.com/watch?v=Rw55YvSiVds](http://www.youtube.com/watch?v=Rw55YvSiVds).

This class is taught by local professional programmer Dave Briccetti ([davebsoft.com](http://davebsoft.com)), who, for the second year is teaching computer science to the St. Perpetua junior high.



Your student will be picked up from Panther House and brought back there when the workshop ends. Regular Panther House fees apply. If you have any questions, please email [daveb@davebsoft.com](mailto:daveb@davebsoft.com).

**Time:** Wed, Dec 18, 3:30 to 5:30 pm

**Cost, Option A** (Recommended if you don't already have a CPX): \$72.00 (includes a \$47 materials charge for a CPX, motor, and supporting hardware), OR,

**Option B:** \$67.00 (includes a \$42 materials charge, and requires you to have a way to power the device after the class, such as with a computer and USB cable), OR,

**Option C:** \$34.00 (includes a \$9 materials charge, and allows you to use a CPX kit during the class, but not take it home. The toy won't be animated without it.)

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## Winter Toy Hack

Student name(s) .....

Grade(s) .....Tel: .....

Email.....

Send payment to the office with this tear-off slip. Please make a check for payable to St Perpetua and note "Toy Hack" on the check.