Brewer Public Library Coding Camp:

Create your own Music, Animations, Fashion Designs, Games, and more with Computer Code!

How this program align with your library and/or department goals?

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| The vision for the Youth Services Department at Brewer Public Library is to provide free access to ideas for youth and families in our service area. Connecting our youth with the ideas and tools they need to become creators of media and not just consumers fulfills our vision while providing a timely service. When given the choice, we have seen youth choose to create their own media rather just consume it. The goal of this camp is to introduce youth to tools so they can begin coding and develop a knowledge of the subject, and possibly, open doors for their future.  |

Target audience

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| 4th-5th grade (tween) |

Frequency & length

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| June 26-30th- 10am-One hour a week for one week (Monday-Friday) We may also go until the following Monday to showcase our work to our summer school and/or parents.  |

Type (structured/free choice)

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| Structured - Students sign up for the whole week and hopefully will come every day. Each day there will be a lesson and a challenge for them to complete.  If they complete the lesson and challenge with time to spare, they will be allowed free choice time.  |

What materials do you need?

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| * 12 computers with internet access,
* Way to log students in and keep track of their projects?
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Total Cost

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| $0  |

Lessons/videos to create/find

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| * Day 1: Introduction, Student/parent/teacher expectations, overview of the course, Hour of Code Activity from Code.org
* Day 2: Scratch “Animate a Name” (<https://scratch.mit.edu/go>)
* Day 3: Scratch “Make it Fly” (<https://scratch.mit.edu/pdfs/guides/FlyGuide.pdf>)
* Day 4: Scratch “Make Music” (<https://scratch.mit.edu/pdfs/guides/MusicGuide.pdf>)
* Day 5: Scratch: “Create a Story” (<https://scratch.mit.edu/pdfs/guides/StoryGuide.pdf>)
* Day 6: Showcase for summer school/parents
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Coding Camp—get ready!

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| * Print off educator guides from the attached websites.
* Make sure I know how to do the activities myself.
* Talk with summer school teachers and coordinators about partnering to bring kids to the library for this activity and to showcase their work at the end of the week.
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