CODE IS POETRY
IS CODE...
x Poetics of Coding
x Computer Science as a Tool for the Artist
x Algorithmic Composition
Literacy is a part of every content area.

Math?
Chemistry?
Science?
P.E.?
Music?

Computer Science can be a vehicle for literacy in all content areas, and help students who wouldn’t typically enjoy writing, participate!
CODE POETRY

Stanford University’s Division of Literatures, Cultures, and Languages (DLCL) sponsors a series of Code Poetry Slams.
SO, WHAT IS CODE POETRY?

Link: Code Poets
Article: The Poetics of Coding, Smashing Magazine
"DIGITAL CODE AND LITERARY TEXT" BY FLORIAN CRAMER

"...COMPUTERS AND DIGITAL POETRY MIGHT TEACH US TO PAY MORE ATTENTION TO CODES AND CONTROL STRUCTURES CODED INTO ALL LANGUAGE. IN MORE GENERAL TERMS, PROGRAM CODE CONTAMINATES IN ITSELF TWO CONCEPTS WHICH ARE TRADITIONALLY JUXTAPOSED AND UNRESOLVED IN MODERN LINGUISTICS: THE STRUCTURE, AS CONCEIVED OF IN FORMALISM AND STRUCTURALISM, AND THE PERFORMATIVE, AS DEVELOPED BY SPEECH ACT THEORY."
WHO LOVED THAT LAST SLIDE, HUH?

Code Poetry means different things depending on who you ask. For a start, it can mean poems, written in a programming language, that are meant to be read purely as words on a page; code that aims for elegant expression within severe constraints, like a haiku or a sonnet, or code that generates automatic poetry.

Let’s see an example of automatic poetry, using Python, with which you are already a pro!

http://blog.trinket.io/writing-poetry-in-python/
always = True # are these statements

if you in (depressed, sadness, resignation):
    print 'my Sweetheart'
if feel(you) is lonely or feel(you) is neglected:
    talk_me(this)
while always:
    I.take_care_of(you)
if you.love() is not me:
    # I will follow in the madness
    # I will ...
    break # down

for emotion in my.heart:
    try:
        your.lover = me
    except:
        your.best_friend = me
if you.hate(me):
    love(me)
elif I.annoying():
    love(me)
else:
    love(me, how='deeply', when='now')
Maybe a student doesn’t want to compose, they want to design the structure of a composition and team with another student who does the wordsmithing.

**Python Haiku Generator**
ANOTHER EXAMPLE, USING PROCESSING:

Parsing poetry...
Think how this could ignite some of your students who “hate writing”.
NA NO GEN MO

National Novel Generation Month - based on an idea I tweeted on a whim.

The Goal

Spend the month of November writing code that generates a novel of 50k+ words.

The Rules

The only rule is that you share at least one novel and also your source code at the end.

The source code does not have to be licensed in a particular way, so long as you share it. The code itself does not need to be on GitHub, either. I'm just using this repo as a place to organize the community.

The "novel" is defined however you want. It could be 50,000 repetitions of the word "meow". It could literally grab a random novel from Project Gutenberg. It doesn't matter, as long as it's 50k+ words.

Please try to respect copyright. I'm not going to police it, as ultimately it's on your head if you want to just copy/paste a Stephen King novel or whatever, but the most useful/interesting implementations are going to be ones that don't engender lawsuits.
ALGORITHMIC POETRY COMPOSITION

Full Face Poetry Generation
### Now that you are inspired, how can you incorporate this literary form in your content area?

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*Take ten minutes to brainstorm as many ideas as you can, and then we will collaborate on a shared document to give to all.*