



Sustainability for Students

Curriculum for Fred Tjardes School of Innovation

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Why Sustainability Education?

- Education for sustainability is crucial for fostering the next generation of environmental stewards and combat climate change. (1)
- Sustainability is about balancing the needs of the present while protecting the well-being of the future. (2)

Who is this for?

The Fred Tjardes School of Innovation is an untraditional k-8 public school. They want to teach their students how and why they should be stewards of the environment. A curriculum for sustainability is needed in order to do so. They currently do not have a dedicated sustainability curriculum, which is the purpose of our project.



References

1. <https://link.springer.com/article/10.1023%2FA%3A1022911631454?LI=true#citeas>
2. <https://scholarworks.rit.edu/cgi/viewcontent.cgi?referer=https://scholar.google.com/&httpsredir=1&article=1007&context=jes>
3. <https://www.cde.state.co.us/apps/standards/7,38,17>



Figure 1. Fred Tjardes School of Innovation

What is being made?

A teacher packet containing the following modules for teachers to utilize materials from to teach to their 7th grade middle school students. Each module contains topics and subtopics important to sustainability education.

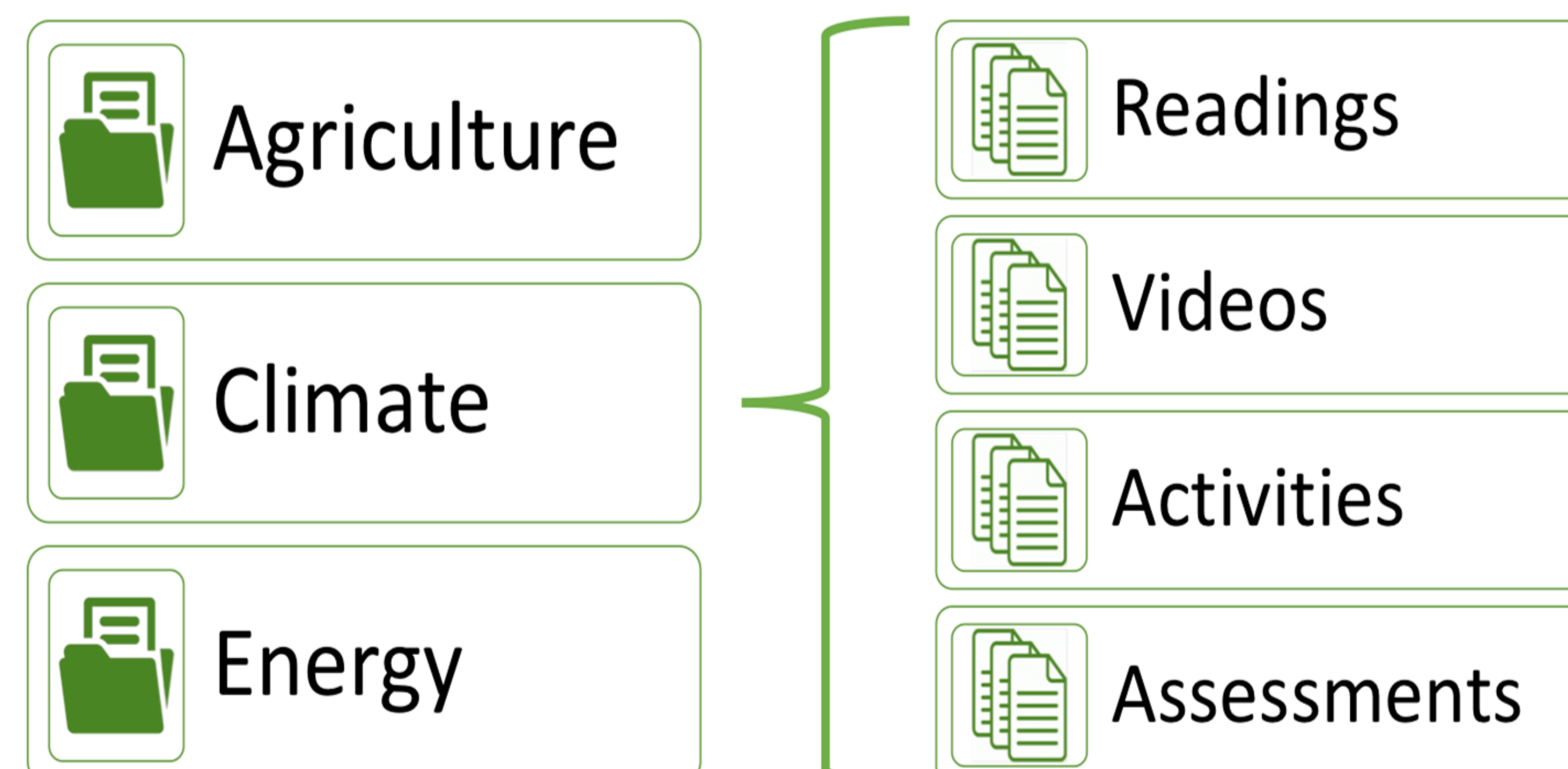


Figure 2. Layout of Modules

How was this done?

We chose three main topics of sustainability to focus on:

- Climate Change
- Energy
- Agriculture

We then followed the Colorado Academic Standards to come up with appropriate materials to teach each topic. These were the Middle School, Category: 3. Earth Space and Science standards 8-11. (3)



The next steps...

- With varying materials for all different learning types, we hope that teachers can help make environmental stewards.
- Students will use this knowledge to better protect the earth.
- Teachers will continue to adapt material dependent on needs of students and the current state of environmental affairs.