

Jeremiah Ford  
EDDL 5101

EDDL 5101: Final Project  
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Keith Webster: Professor  
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**Learning Outcome:**

Content:

[sources](#) of [thermal energy](#)

thermal energy can be produced by chemical reactions (e.g., hand warmers), friction between moving objects, the sun, etc.

the energy that comes from the movement of particles within matter

**Skill outcomes:**

Demonstrate an understanding and appreciation of evidence

**Introductory Statement**

Students are going to engage in an online learning activity based on thermal energy. By the end of the activity, students will know what thermal energy is, along with some of its sources. Students will access the activity within ClassDojo (learning management system), including the instructions, links to learning content, and the student response activity.

**Rational for using ClassDojo:**

ClassDojo is an elementary-friendly learning management system that can allow young students with lower levels of digital literacy to experience a learning activity in an online environment. Once students login to Classdojo, their assignment is right on the front page for them to access. Once they click start, they can access the instructions by text and video, can click links to the learning content (which open in a separate tab), and can complete a follow-up activity right within Classdojo. Because you can contain the instructions, the learning content, and the assessment activity all within ClassDojo in simple format, it is a great tool for young students to learn how to engage with their education in a digital environment and also improve their digital literacy.

**Steps to Complete the activity:**

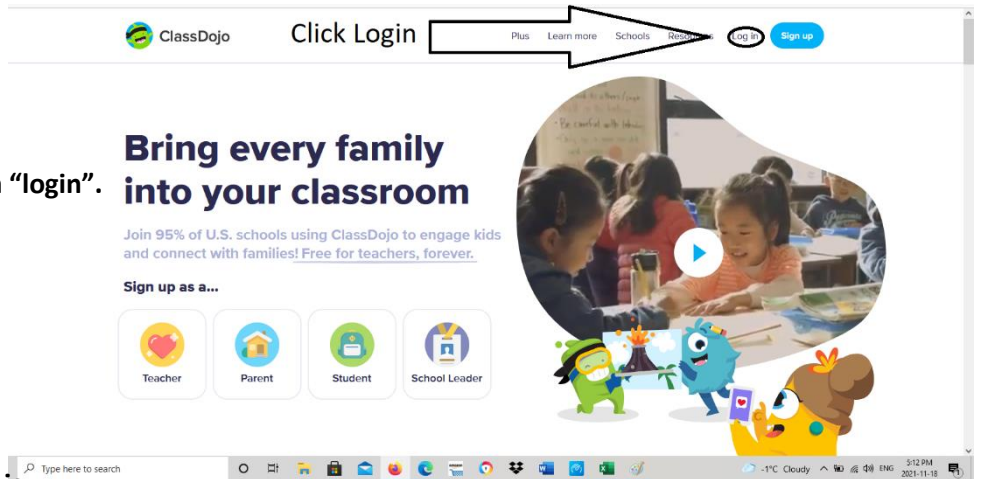
**Part One: Logging into Class Dojo (students will have this document available to them)**

Once you have access to your laptop or computer (tablet or mobile phone works too), click onto an internet browser such as firefox:

Type: [www.classdojo.com](http://www.classdojo.com) in the address bar and click enter on the keyboard

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Once you have arrived to ClassDojo, your page should look like this:



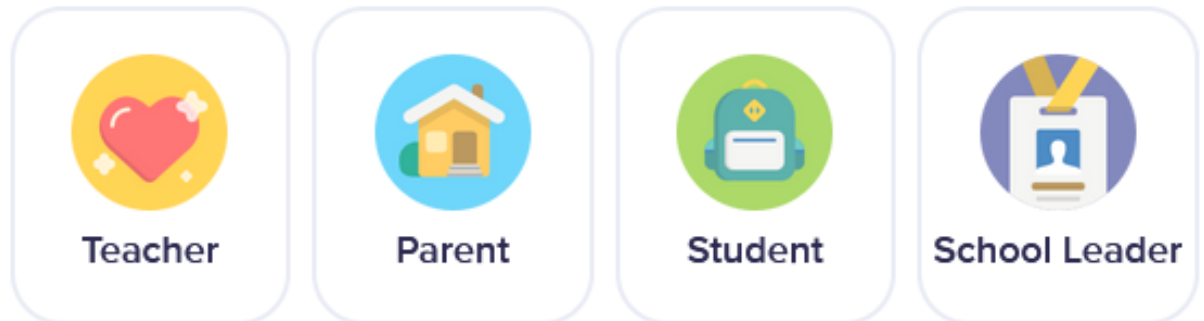
From here, you need to click on "login".

Next, your page will look like this:

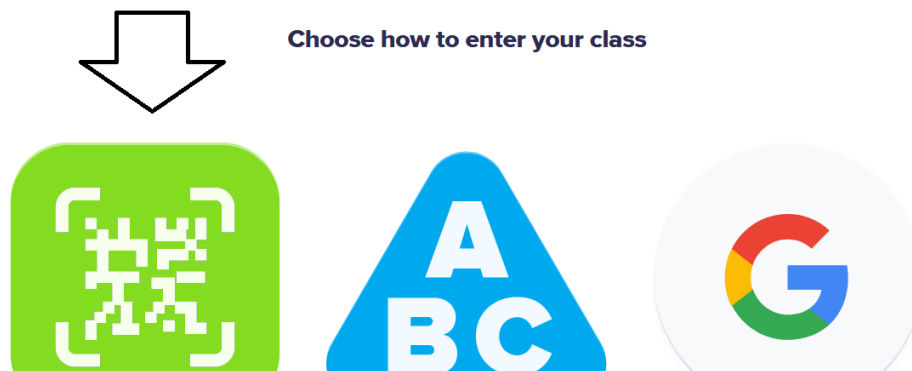


You will need to click on "Student"

## Log in to ClassDojo



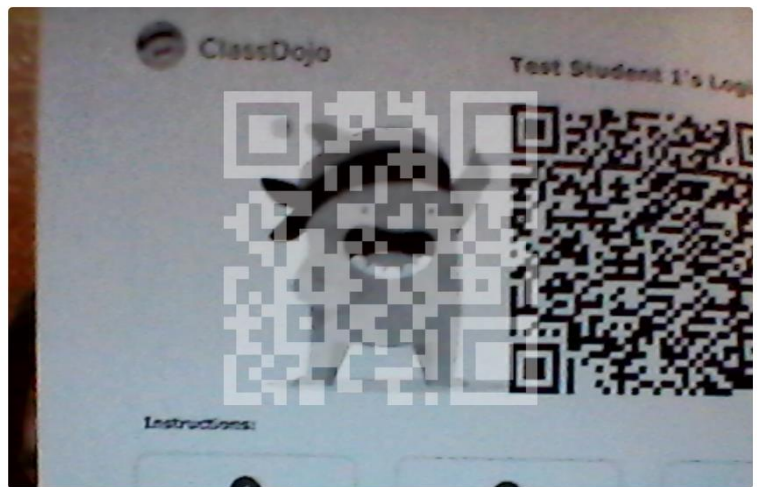
From here, you will need to click on "Scan QR Code" (You will need to print the QR code page to get access to the activity, this will be attached along with this document for assignment 4 and for the final assignment)





**Scan QR Code**

**You will need to line up your QR code printout with the webcam:**



Once it is lined up, it will log you in immediately.

*For this assignment, I have created thirteen "test student" accounts*

*That everyone in EDDL 5101 can use to access the learning*

*Activity. The login QR codes will be attached with the final assignment. There is also a video outlining the activity from beginning to end for those who may not have time to printout the QR codes and login on their own.*

**Part Two: Activity Instructions:**

Activity instructions will be available once logged into ClassDojo. The text-based instructions include:

Thermal Energy: What is it?

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What are some sources?

Your goal: Learn what thermal energy is, and what some of its sources are.

How?

Go to: <https://learningwithmrford.tumblr.com/>

(click on this link and it will open in a new tab)

View ALL the content on the page, then click on "start" on your Classdojo assignment and "hand in" when you are finished. You can always check back to the webpage if you need more information!

Note: Instructions are also provided in video format, accessible inside of ClassDojo

### **Links**

All learning resources are linked to a content page created by the teacher. The page is located at:

<https://learningwithmrford.tumblr.com/>

The learning management system students will be using to complete this assignment can be located at:

<https://student.classdojo.com/#/login?redirectTo=%2Fstory>

Note: You will need to print the QR code page for one of the logins to access the activity. Otherwise you can watch the step-by-step video made of the student's perspective on this learning activity.

There is two other PDF documents included with this submission. This includes the QR code printouts, as well as a copy of the assessment activity that is embedded into Classdojo. There will also be a link to the video outlining the activity from beginning to end.

**References:**

## **Full Activity Resources and References List:**

APA references for ALL resources and references

### **Curriculum Outcomes**

*Science 3. Building student success - B.C. curriculum.* (n.d.). Retrieved November 12, 2021, from <https://curriculum.gov.bc.ca/curriculum/science/3/core>.

### **Learning Management System:**

ClassDojo. (n.d.). *Classdojo*. ClassDojo. Retrieved November 20, 2021, from <http://www.classdojo.com/>.

### **Learning Content Webpage**

Ford, J. (2021, November 13). *Learning with mr. Ford*. Learning with Mr. Ford. Retrieved November 20, 2021, from <https://learningwithmrford.tumblr.com/>.

### **Learning Content: Text**

Heat. (2021). In *World Book Kids*.

<https://www.worldbookonline.com/kids/article?id=ar830878>

Hollingsworth, D.K. (2021). Heat. In *World Book Student*.

<https://www.worldbookonline.com/student/article?id=ar250080>

*Thermal energy*. Thermal Energy - Knowledge Bank - Solar Schools. (n.d.). Retrieved November 20, 2021, from <https://www.solarschools.net/knowledge-bank/energy/types/thermal#:~:text=Thermal%20energy%20%28also%20called%20heat%20energy%29%20is%20produced,47%20sec%20Heat%20Energy%20-%20Science%20for%20Kids>.

### **Learning Content: Videos**

turtlediarydotcom. (2015). *Science for Kids: Heat Energy Video*. YouTube. Retrieved November 20, 2021, from <https://www.youtube.com/watch?v=xGKg3TSO4v8>.

YouTube. (2020). *Thermal Energy / Heat Energy Lesson for Kids*. YouTube. Retrieved November 20, 2021, from <https://www.youtube.com/watch?v=jfXpQmRvnlA>.

### **Images: On webpage and embedded into videos**

Archer, D. (n.d.). *"DSC09013 - Coal Furnace"*. flickr. Retrieved November 13, 2021, from <https://www.flickr.com/photos/22490717@N02/37049491022>.

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gnuckx. (2011). *"Etna Volcano Paroxysmal Eruption Jan 12 2011"*. flickr. Retrieved November 13, 2021, from <https://www.flickr.com/photos/34409164@N06/5711827176>.

Heat from friction [Online photo]. (2021). In *World Book Student*.

<https://www.worldbookonline.com/student/media?id=pc300249>

jerhoyet. (n.d.). *Ambient Temperature*. flickr. Retrieved November 13, 2021, from <https://www.flickr.com/photos/71355861@N00/2074981997>.

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Karrer, M. (n.d.). *Sun 2011-12-08*. flickr. Retrieved November 13, 2021, from <https://www.flickr.com/photos/55051537@N00/6487199145>.

Lucier, N. (n.d.). *"Beach Bonfire in Newfoundland"*. flickr. Retrieved November 13, 2021, from <https://www.flickr.com/photos/36121888@N08/3653101587>.

L, G. (n.d.). *Thermally Agitated Molecule*. wikimedia. Retrieved November 20, 2021, from <https://commons.wikimedia.org/w/index.php?curid=1615355>.

Shakerman (Archive). (n.d.). *Boiling Water*. flickr. Retrieved November 13, 2021, from <https://www.flickr.com/photos/27482959@N08/2835194472>.

State Farm. (n.d.). *"Keeping warm with an oven or stove"*. Retrieved November 13, 2021, from <https://www.flickr.com/photos/40567541@N08/8459059830>.

waferboard. (n.d.). *Coffee Steam 2*. flickr. Retrieved November 19, 2021, from <https://www.flickr.com/photos/waferboard/7417277946>.

### **Photo Licenses:**

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<https://www.flickr.com/photos/waferboard/7417277946>

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