

Wind Power
A Biomimicry Exploration



Includes

Sustainable Energy Explorer

Wind Turbine Deep Dive

When Wind Isn't Working Investigator

Priority Pathfinder

Function Finding Map

Alternative Alternatives Tracer

Prototyping Planner

Sketch 1

Sketch 2

Sketch 3





Sustainable Energy Explorer



Sustainable Energy Explorer

Hi there!

Sooo...I'm an art figurine. You may have noticed.

'N I'm quite expressive.

'N I will be your narrator.

Like this:



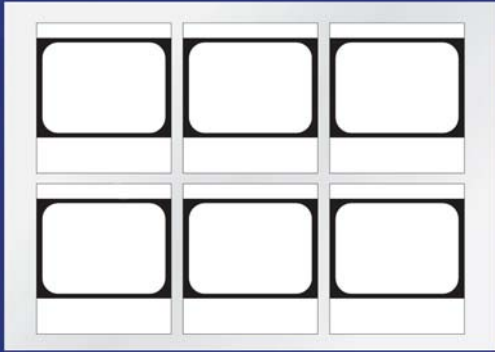
"Here's what I know about Sustainable Energy:
It is an Earth-friendly approach
To gaining energy because..."

Have your team dig in to do some research.
Once you've gathered some interesting info
exploring the field of sustainable energy...

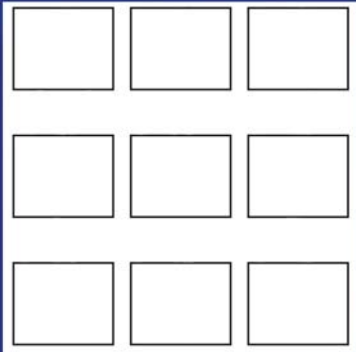


Sustainable Energy Explorer

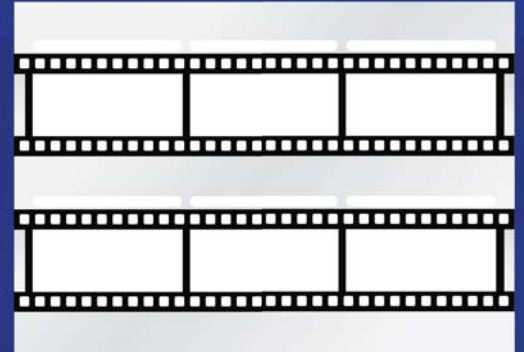
Your team will create a storyboard,
like this:



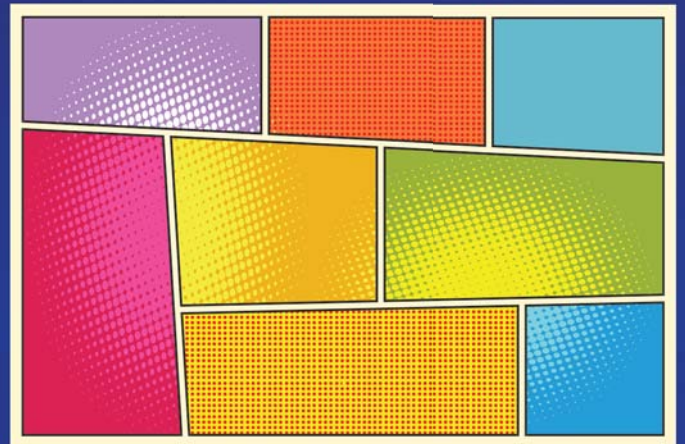
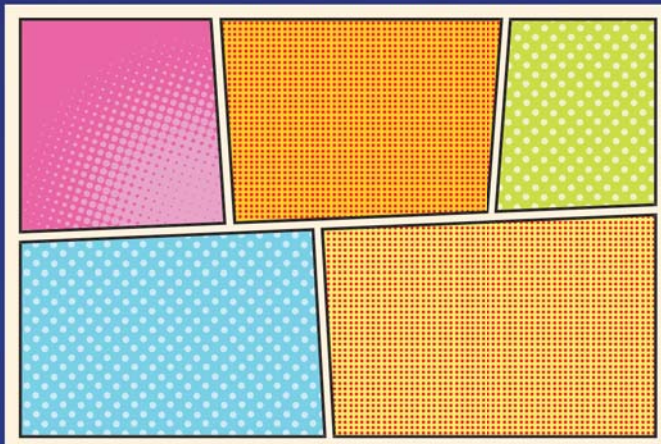
Or this:



Or this:



Or even like these:



And then you'll use your expressive narrator to communicate that new info... Like this:



To create your expressive narrator, select a pose from the narrator page for each block in your storyboard...

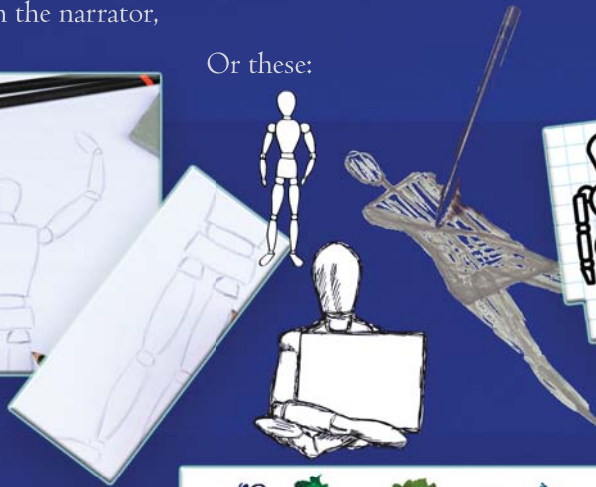
Whichever pose seems most EXPRESSIVE of the ideas you want to share.

Then trace or sketch the narrator,

Like these:



Or these:



Or these:



Or even like these:



You do not need to sketch with a ton of detail, or put a lot of time into it.

The narrator is just there to help you present the info in an interesting way.

Feel free to create new narrator poses and to have your narrator holding or pointing to items.

You may also accessorize your narrator with pictures from the internet (with citations).

If you want to, swap out your standard expressive human narrator for some other expressive narrator.



Sustainable Energy Explorer

Now that you have a narrator in mind to communicate your research, let's look at the topic of that research.
Your research task is to discover and share a little bit about several types of sustainable energy.

Please find out a bit of info about each of these types of energy:



TIDAL



WIND



SOLAR



HYDROELECTRIC



BIOMASS



WAVE



GEOTHERMAL

Consider:

What is the point of alternative or sustainable energy?

What are the highlights of each kind of alternative energy people have come up with?

Create just a couple of sentences or storyboards for each energy type.

You have a team, divide and conquer!



When Wind Isn't Working Investigator

When you've finished your Wind Turbine Deep Dive,
Tuck your storyboards into your folder for a little while longer and
Prepare to tackle the following:

Some people OBJECT to wind turbines.

As with anything people have invented to solve problems or meet their needs,

Wind turbines introduce some problems of their own.

Discover and Share.



When Wind Isn't Working Investigator

Note:

You are not successfully finished with this section
Until your narrator has shared some info about at least these things:

Low Wind Birds Low Frequency Vibrations
Flicker Shadow Effect Natural Disasters

Property Values



Sketch I

Your first sketch gives you the unlimited spaces of biology and technology to play in.



Each member of the team should create their own sketch.
Use all of the biological models you've discovered,
And any function you want to demonstrate.
And design the wind turbine you'd like to see become a reality.



As designers of new biomimetic, sustainable energy technologies,



It is time to share the sources of your knowledge,
The discoveries of biological models and natural inspirations
The functions you sought to achieve and the processes you used to get to your designs.

Gather your narrated storyboards, your priority path and function finding documents,
Your animal icons, and your team's sketches.
It's time to share!

