

Training Header Sheet with Change Log Form**Kentucky Academic Standards**

Science

Operational 2018

SC041619_06

School Solar Panels

Practice Sets

Date	Comments	Version
2/2018	Initial Operational Training Set	Set A
5/2018	Final Operational Training Set	Set B

6

Part A. I think they should put the solar panel to the east of the school, and at noon.

Part B. I think they should put it there because in the diagram it shows the school never casting a shadow to the east. I chose at noon because noon is closest to the middle of the day, and I know the sun shines the most at the middle of the day.

14

Part A. To the right because that is
where the sun is most of the time

Part B. Because the light
meter is going to work on
the right the best

6

Part A. Well the best time that the light meter would record the strongest strength of sunlight would be at noon. The sun has had time to rise and heat the earth's surface by noon. Noon is in the middle of the day. It will probably be on west or south side. The west is closer and has some trees to shade it so it doesn't burn. It will probably record on the south side the best.

Part B. Well the light meter would record the highest strength of light on the south side because it is a wide space with very little shadow and it would just give more light. The light meter lets me know that because it reads and gives me the record and that shows me the best place. It can also tell from the top view of the school grounds.

14

Part A. The place that I think would be best time to see at 12:00 Am, so is right on top of the school. The reason is because that is where the sun shines

Part B. Because 12:00 is when the sun is the strongest in the summer you would get more energy. Because of the time and place.

14

Part A. The light meter would record the highest strength of sunlight would be at noon because the sun is above the school, so the solar panels would collect the most light at that time of the day. The place on the school campus to get the highest strength of sunlight is on top the school because when it's noon, it will collect the most sunlight.

Part B. This location would be the best for the solar panels because when it turns close to noon or at noon it will collect the sunlight from the sun. The information from the light meter helps me know that because at that time of day the light meter would go up the highest throughout the day.

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Part A. West because there was less shade
on that side.

Part B. There was less shade
on that side I you see the compass.

6

Part A.

The highest strength of sunlight would be around the school. This is where I think would be the best strength of sunlight.

Part B.

The best place for the solar panels would be on the west side of the school. I know this because it shows the best sunlight.

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Part A. I think that the best place the pulight meter will be is at noon and south of the school.

Part B. I think it should be south at noon because the sun will be shining directly on it and there will be no trees in the way.

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Part A.

I think that on top of the school campus would be the best place to put the solar panels, and I think in the middle of the day, would be the best time for sunlight.

Part B.

This location would be best for the solar panels because there would be nothing blocking the sun light from the solar panels, the information from the light meter helps me to know this because it would say that there is a lot of sunlight reaching the solar panels.

6

Part A. The highest place would be c in the morning because it gets lot's of sun. I know I looked at the model c had more sun. They wanted the place with more sun I believe c has lots of sun. Solar panels have to be powered from sun light. so that is my answer.

Part B.

It is the best place for after noon to so if it were to have rain it still would not be harmed. And sun would power it a lot. so place it in c has lot's of sun. It has lot's of room. Place it in c.

6

Part A.

The best place to put the solar panels is the roof close to the back of the school. The light meter would get the most strength of sunlight at about noon.

Part B.

This would be the best spot because the sun shines in on the back of the school. The light meter helps me because it shows how much light the school is getting for energy.

14

Part A. My prediction where the back of the school is at 3:00 would get the most because if the sun is shining down behind the school then it is going to get sun light and at 3:00 because because at 9:00 school starts until 3:00 in the after noon what the time school ends is 6 hours divided by two is 3 so it will be three o'clock

Part B. It would be best because you can rotate it so you can put it where ever you want too it helps me know that because the light meter shows you that you can rotate it.

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Part A. It should be there beside the school campus. At 10:00 am.

Part B. It should be beside the school campus. Because there is more room and sun shines on the sides of buildings most of the time. So I think the sides of the school campus should have the solar panels.

14

Part A I predict that the best place on the school grounds would be on the far east side where the big field is with no trees and I also predict that a noon would be the highest strength of sunlight the meter would record.

Part B. This location would be the best because there are no trees to get shade on the panels and the light meter helps me know that because it shows that not alot of shade gets on the spot I chose and it shows it gets the highest amount of lights

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Part A. Based on the students observations I think at 9:00am at the south side they would have the highest strength of sun light because there's not very much shade on the south side which means more of the sun's rays will shine more light there.

Part B.

The information on the light meter helps me know that because it will show the strength of the sunlight in that area were I think it would have the highest strength of sunlight.

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Part A.

I think it should go on the roof because the roof get the most sunlight than any other place.

Part B.

The roof would be a good place because there is nothing on the roof which means no shadows.

14

Part A.

PROVERB South BECAUSE it covers SOUTH
Last.

Part B.

6

Part A.

South at noon.



Part B.

The shadows are going North in the picture and it's sunny in the south.

Because the light meter shows where the light is the strongest.

6

Part A. they need to put it in the more south part from 1:00pm to 5:00pm because in that area the light always shines there unless it is nighttime but they should put it there.

Part B. it great to put them toward the south of the school to 1:00pm to 5:00pm because it's shiny and the sun looks like it really shines there. and the light meter can help because it can help you detect the strength of the sunlight.

14

Part A.

In the middle would be were it should be at 10:15 A.M.

Part B.

The middle would be the best because it would have a lot of sunlight.