Investigation Planner
Creativity in Science and Technology

Students’ Names: Megan, Montanna, Sara

Title of Investigation: Fading red

Date: Sem1

In this investigation, we are trying to find out which cloth (dyed red) will fade the quickest in the sun for our 6 hour periods over 3 weeks.

2. What we think will happen is: of the materials (grass, brick, wood, plastic, rock, and sand) we think that material on grass will fade the fastest out of all of them.

3. Why we think this will happen because we think that grass will absorb the sun light which will make the fabric fade the quickest.

4. In this experiment, we will change the landscapes that the fabric is on top of.

5. (a) We will observe and record how much the red dye is fading and we are observing how much it fades each week, use a rating to compare to the one that we are keeping inside

(b) We will make our measurements using: we are taking a picture with a camera.

6. The things which will be kept the same: throughout the experiment is the same piece of fabric, colours amount of colour and amount of exposure to sunlight.

7. We will do the investigation by using a camera to take pictures of the fabric in the process of it fading,

8. The safety precautions that we need to take are: to work carefully.

9. What happened? The rain faded some of the cloth through the semester. The material on the rock faded the most.

10. Is this what you thought would happen? Yes.

11. Why do you think this happened? We think it happened because we put it in the sun.

12. What did you find difficult when doing this experiment? We found the rain made it difficult.

13. If you were to do this experiment again what would you change to make it
Investigation Planner
Creativity in Science and Technology

*Better?* We would make our timing better like doing it in summer so they won't get wet.

Congratulations!
You have now completed an investigation and a report on what happened and why.

*CREST is a CSIRO program*