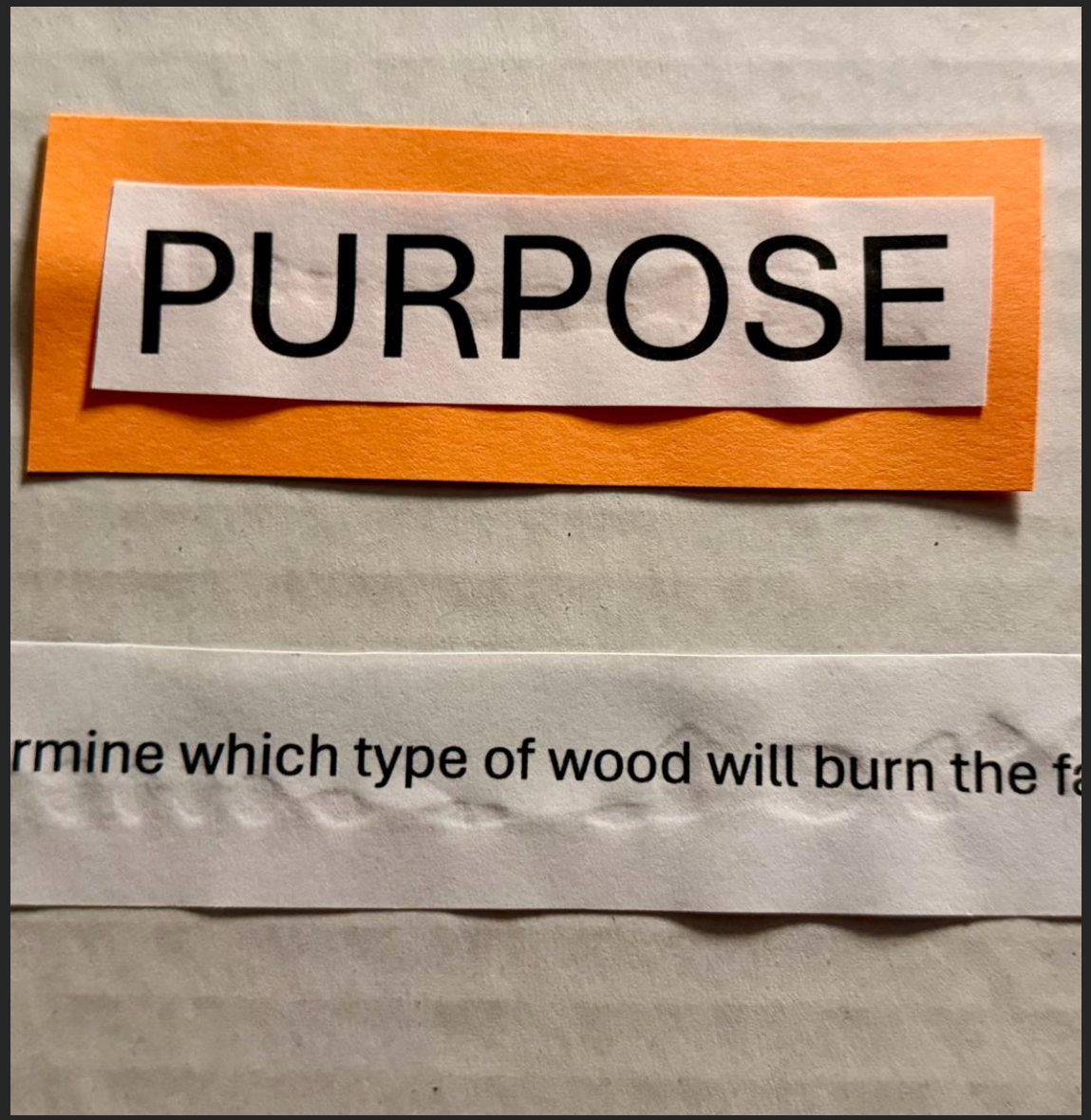
Burn Baby Burn

Lawson Barron

Grade 6

St Mary Elementary


PURPOSE
rmine which type of wood will burn the fa

HYPOTHESIS

I believe out of all the wood types, Ash would burn the fastest because it doesn't hold moisture.

PROCEDURE

1. Gather all supplies.
2. Cut 6 pieces of wood for each type into 7 inch long by ¾ thick.
3. Label each pan with the type of wood each pan would contain.
4. In each pan place 7 cotton balls in the middle of the pan.
5. Place the 6 pieces of wood into a teepee stack over the cotton balls.
6. Lite each pan.
7. Start timer, observe burning.
8. Document results

MATERIALS

6 pieces of each type of wood all cut 7 inches

(Ash, Poplar, Construction Pine, Western Cedar, Oak and Yellow Pine)

Cotton Balls

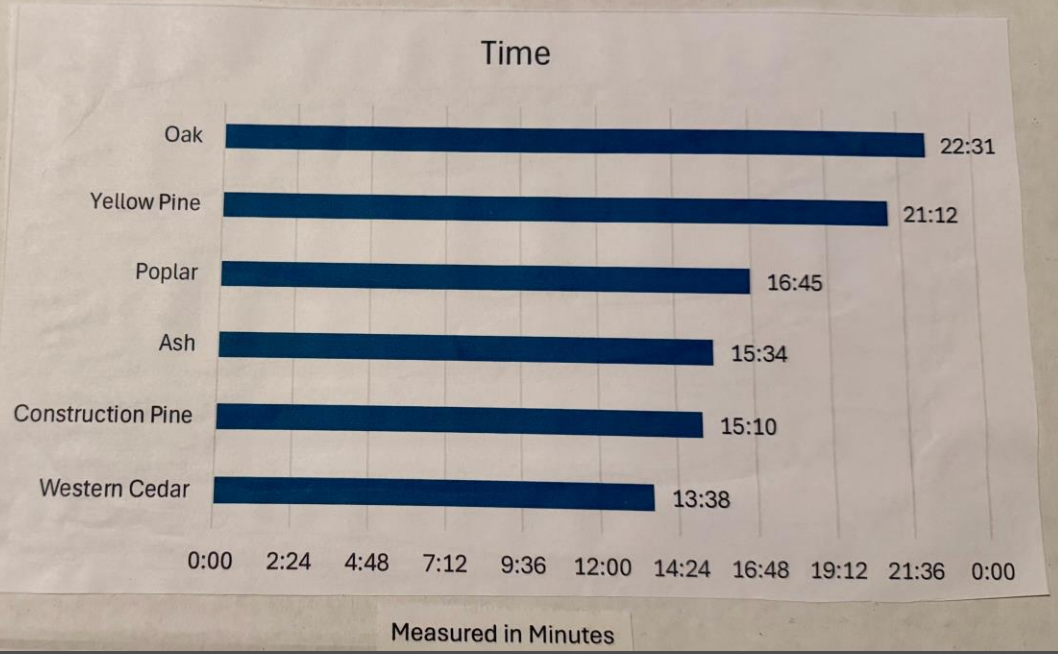
Lighter

Aluminum Pans

CONCLUSION

I conclude the following results were not in line with my hypothesis. My hypothesis stated that Ash would burn the fastest, when in fact Western Cedar burnt the fastest. I thought Ash would burn the fastest because it does not hold moisture. Western Cedar burnt the fastest because it is a light soft wood and it has less wood mass.

RESULTS


Time
Oak
22:31
Yellow Pine
21:12
Poplar
16:45
Ash
15:34
Construction Pine
15:10
Western Cedar
13:38
0:00
2:24
4:48
7:12
9:36
12:00
14:24
16:48
19:12
21:36
0:00
Measured in Minutes


Construc-
tion Pine


WHITLEY COUNTY
Oak
Western Red Cedar
Construc-
tion Pine
Poplar
Ash
Yellow Pine