The Cover Up Challenge

WALT: Make and record scientific observations

Starter: Telling a lie may seem like a simple way out of a problem. However, usually when we tell a lie we end up telling even more lies in order to cover up the first lie.

Challenge: To cover up the $2 dollar coing with your smaller coins by dropping them in from at least 10 cm above the water.

Materials: Bucket a two dollar coin, and 10 smaller coins.

Steps
1. Quarter fill the bucket with water and put the two dollar coin at the bottom in the center.
2. Predict what will happen when you drop the coins in
3. Take turns at dropping your smaller coin into the bucket from at least 10 cm above the water.
4. Record your results in the table below
5. Write a conclusion answering the following questions
   - How well did the small coins cover the $2 coin?
   - How many actually landed on the $2 coin?
   - Why do you think this happened?
6. Write a reflection comparing this activity to telling lies to cover up a mistake. Why is telling the truth easier than lying even if the truth may get you in trouble?

Prediction:

I think that…

Results:

	On the $2	Off the $2
Coin 1		
Coin 2		
Coin 3		
Coin 4		
Coin 5		
Coin 6		
Coin 7		
Coin 8		
Coin 9		
Coin 10		

Conclusion (What did you find?)

How well did the small coins cover the $2 coin?

How many actually landed on the $2 coin?

Why do you think this happened?

Reflection

This experiment is like telling lies to cover up the truth because…

Telling the truth is easier than lying even if the truth may get you in trouble because…