



STEM CHALLENGE

Science | Technology | Engineering | Math

Name: _____ Date: _____

Today's Challenge: **Secret Code**

You must devise a secret code to send messages to others in group.

You must create the message, and also a way to interpret it, so that it can only be deciphered by a person in your group .

For this challenge, you can only use the following materials:

- paper
- markers
- lemon juice
- baking soda
- grape juice
- light bulb
- milk
- Q-tips



OUTCOME:

What were the results of this challenge?

EVALUATE:

On a scale of 1 to 10, how well did you accomplish this challenge? Why would you give yourself this grade?

| |
|------------|
| Your Grade |
| |

What would do differently next time?

REFLECT:

How might the skills to complete this challenge carry over into real-world applications?

Hint: Think about when—and why—secret codes have been used.