



**Springfield**  
Primary

PART OF:  
**challenger** multi-academy trust

**Springfield Primary**

Orchard Street  
Kempston, Bedford  
Bedfordshire  
MK42 7LJ

**telephone:** (01234) 306000

**Head of School:** Mrs Claire Andrews  
candrews@springfieldprimarieschool.org.uk

**email:**  
office@springfieldprimarieschool.org.uk

**website:**  
www.springfieldprimarieschool.org.uk

Year 4

21<sup>st</sup> September 2018

Dear Parent/ Carer,

The Year 4 children are very excited about our new Topic: Burps, Bottoms and Bile!  
We have planned many wonderful activities for this terms topic across the curriculum to ensure the children are having a broad range of learning experiences. We have organised some practical activities involving real life ingredients.

These may include the following list of ingredients or substances:

**Experiment 1: Chewing Disclosure Tablets**

The first experiment will take place during a morning registration time and will reveal how well the children have brushed their teeth that day. The children will chew on a tablet to reveal plaque and how good brushing techniques lead to healthy gums and teeth. This will help to educate and encourage the children to take responsibility for their oral hygiene.

The tablet is a disclosing agent and contains a range of substances including:

- Hydrated dextrates
- Magnesium stearate
- Sodium Starch glycolate
- Aroma (flavour C142090 (Blue1) (145410 (Red 28)
- 

If you are aware that your child has an allergy to any of the above ingredients, then please let us know in the below slip to confirm that they will **not** be taking part in this experiment.

**Experiment 2: The Process of Decay using eggs and different liquids.**

This experiment will allow the children to observe the changes involved in the stages of decay. The method will involve submerging a chicken egg in a cup of various liquids to observe how different liquid acidities affects the shell of an egg. This will demonstrate how liquids we drink affect the health of our teeth, thus highlighting the importance of avoiding sugar drinks and emphasising the importance of adopting good brushing techniques.

This experiment will involve the children handling (not eating) the below ingredients:

- Chicken eggs (Hard boiled- premade- cold)
- Plastic cups
- A range of fizzy soda drinks including: Cola, Diet Cola, Orange Fizz, Lemonade and Diet Lemonade
- Cows Milk
- Tea and Coffee (Cold) - Pre made





**Springfield**  
Primary

PART OF:  
**challenger** multi-academy trust

**Springfield Primary**

Orchard Street  
Kempston, Bedford  
Bedfordshire  
MK42 7LJ

**telephone:** (01234) 306000

**Head of School:** Mrs Claire Andrews  
candrews@springfieldprimarieschool.org.uk

**email:**  
office@springfieldprimarieschool.org.uk

**website:**  
www.springfieldprimarieschool.org.uk

Please complete the slip below and return as soon as possible to give your children permission to take part in this experiment. If our class take part in any further experiments that may involve allergens we will be in contact with you via letter to inform you and request permission for your child's participation.

Yours faithfully,

*Mrs Ventriglia & Miss Rose*

-----  
**Year 4 Science Experiments Parents/ Careers Permission Slip**

I hereby give permission for my child..... Class.....

to take part in the following experiments:

List of Experiments (Please tick your answer)	Yes, I give permission	No, my child will not be taking part
Experiment 1: Chewing Disclosure Tablets		
Experiment 2: The Process of Decay using eggs and different liquids.		

Parent/Carer Signature.....

To keep our records updated please list below any other allergies that you child might have:

-----  
-----  
-----

**Please return to your child's class teacher as soon as possible.**

-----

