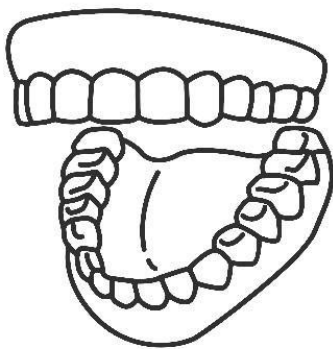




WEEK 12: TEETH



Science in the News



Teeth can hold so much information about our lives and we don't even know it!

Parents:

For primary learners, work through our full 'teeth' lesson plan with your child. It is based around the national curriculum learning objectives found in the year 4 'Animals, including humans' topic. Download here - [Science Creates Outreach](#)

For secondary learners, the contents can be discussed in more depth using the [original online article](#).

Tooth data!

Once you lose your 'baby teeth' the adult teeth you have stay with you for life, you only get the one set, so, teeth are really important to look after!

People have unique layouts of their teeth in their mouth, which can sometimes be used to identify a person - some teeth are wonky, some straight, some slant in or out, some are big some are small, there is a huge variation. Healthy or diseased teeth look very different too.

Even though we only have one set of teeth in our adult lives, the root of the tooth still develops throughout our lives, like the rings on a tree trunk. As a person grows, the roots of their teeth may ever so slightly respond to certain events that happen in their life. This means when we look at their teeth we can see if these events have happened. So, our teeth may in fact hold a lot more information about us and our lifestyles than we thought!



Try it at home - Have a snack!

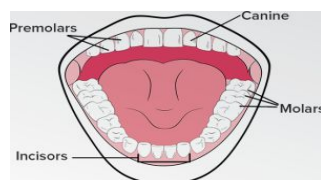
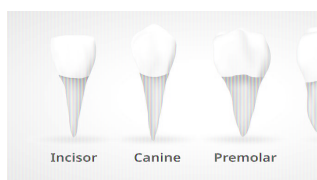
What do you need?

- A snack such a piece of fruit, a slice of bread or a cracker (check with an adult first)
- [The Science Creates 'teeth' lesson plan](#)

What am I learning?

You are learning about the different types of teeth in your mouth. It makes your learning deeper and more memorable if you experience it for yourself, so try this and become a teeth expert!

If you want to learn more about the science behind this, check out our lesson on our website - [Science Creates Outreach](#)



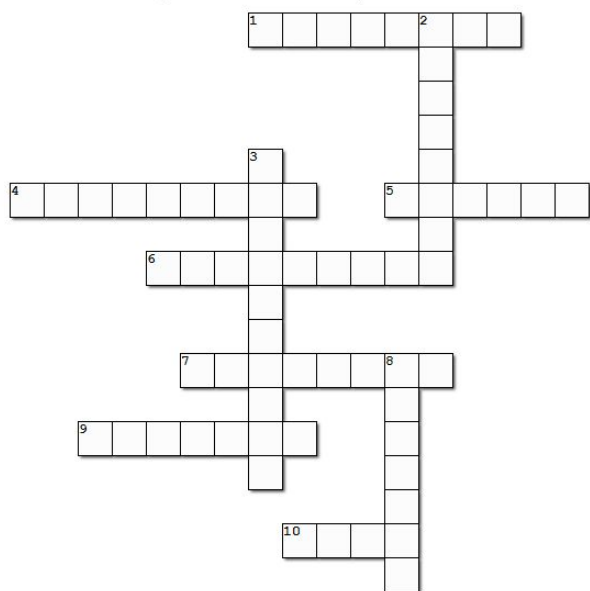
Instructions:

1. First have a read through the Science Creates Outreach 'teeth' lesson plan. This activity will be easier to understand if you know all the different teeth types.
2. Look at the food you have chosen for your snack. Is it hard, soft, large, small, chewy or juicy. Is it going to be easy for your teeth or difficult?
3. Next, bite the food using your incisors at the front to cut a bit off or your canines to tear some off, depending on the food you've chosen.
4. After that, feel very careful as your tongue moves your food from the front of your mouth to the back.
5. Then, be aware of your premolars and molars crushing down on the food and grinding it to much smaller pieces.
6. Finally, feel again as your tongue moves your food to the back of your mouth and then finally pushes in down and you swallow. We bet that is the most you've ever concentrated on your teeth types!





WEEK 12: TEETH



Across

1. A way to clean teeth at the front of the mouth. (8)
4. The number of adult teeth we have. (6, 3)
5. The strongest and biggest teeth, located at the back of the mouth. (6)
6. These teeth are used for crushing food. (9)
7. The important ingredient in toothpaste. (8)
9. Very sharp teeth used for tearing and ripping food. (7)
10. The flesh in our mouths at the roots of our teeth. (4)

Answers: 1. Flossing. 2. Incisors. 3. Two Minutes. 4. Thirty Two. 5. Molars. 6. Premolars. 7. Fluoride. 8. Dentist. 9. Canines. 10. Gums

Down

2. The narrow teeth at the front of the mouth. (8)
3. How long should you brush your teeth for? (3, 7)
8. The professional who helps to look after the health of our teeth. (7)

Read, Watch, Ask



Have a read of our [lesson](#) to learn more about teeth.



What happens to food in your mouth? Watch [here](#) to find out.



Got any questions about today's topic? Email us at info@sciencecreates-outreach.co.uk and we'll answer them!



Did you know?

The side you use to chew your food will be the same as your dominant hand. If you're right-handed, you'll chew on the right side of your mouth mostly, and if you're left handed you'll mostly use the left side.

Be Inspired...

In this section we interview inspirational members of the Science Creates science community so that you can learn more about different jobs, what they involve and how you can do the same! This week we interviewed Ashley from Science Creates.

1. What does Science Creates do?

Science Creates supports small scientific companies to help them grow so they can create jobs for scientists and engineers. We provide them with laboratory space and support such as hazardous waste disposal. The companies we are supporting are helping to make the world a better place by making new medicines and therapies, safer ways to secure peoples' data, and creating new ways to take images of microscopic things.

2. What is your job title and what do you do?

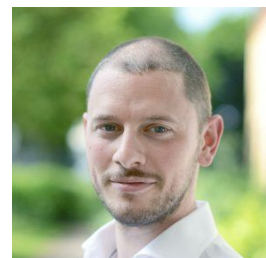
I am the Centre Director. I need to have a good understanding of the science being used by each of the companies in Science Creates so that I can make sure they've got what they need to grow their business, and to make sure that what they are doing is safe.

3. Do you like your job? Why?

I love my job. I love seeing the companies in Science Creates grow and know that what I, and the rest of the Science Creates team, do is helping them. The coolest thing I do is use liquid nitrogen to fill one of our machines.

4. Have you always wanted to do your job?

I didn't know exactly what I wanted to do when I was younger. I was given a chemistry set for my 8th birthday which captured my imagination and started me off on the path to where I am now.



5. How did you get to do your job?

I got my job because I had previous experience in managing laboratories, I also went to university and studied for a degree in chemistry. I gained my Doctorate in chemistry and worked in different companies and laboratories. All that provided me with what I need to carry out my job at Science Creates.