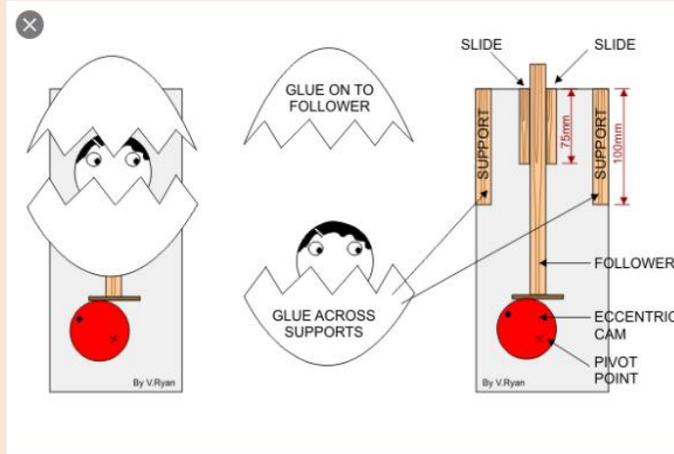


Create Enquiry – How do we make our mark?

Sticky Knowledge

Cams

A part in machinery designed to make sliding contact with another part while rotating, causing the other part to move.



Design

Labelling your designs and using careful measurements will help you to create better prototypes.

Sketching

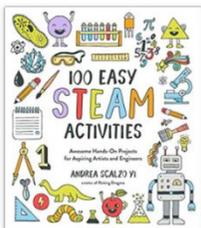
Using observation skills and the various tone techniques we've been practising will help create more realistic drawings.



Values

Commitment

Reading Recommendations



Crucial Connections

CAM toy project: <https://www.youtube.com/watch?v=-lpx772-M8I>

Automata CAM toy project (Caterpillar):
<https://www.youtube.com/watch?v=fUI4PJ-Ca2o>

Create Enquiry – How do we make our mark?

Sticky Knowledge

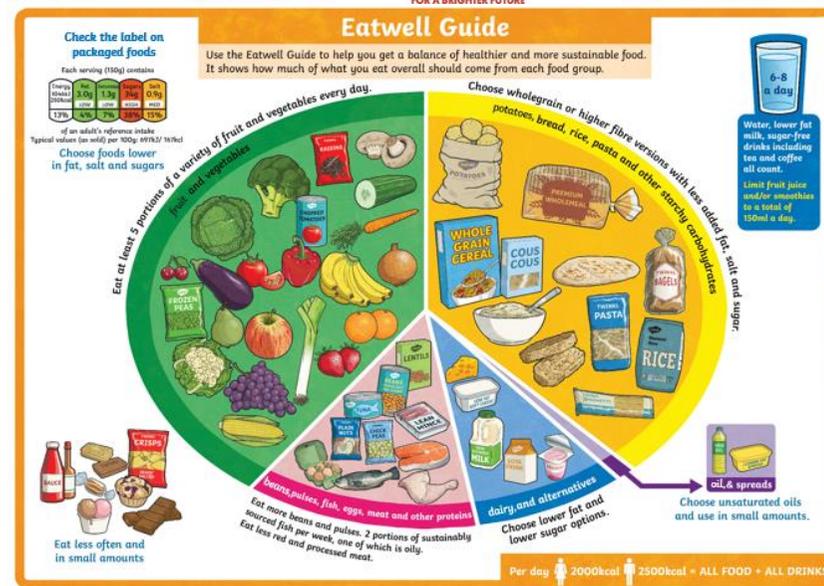
What we eat has an impact on our lives

Food miles is the distance **food** travels from production to when we consume it. Energy is used to produce, package, transport and store **food**. Even energy use to travel to shops to purchase **food** is counted. All of this contributes to increased greenhouse gases such as carbon dioxide (CO₂).

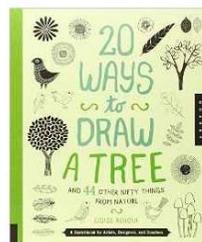
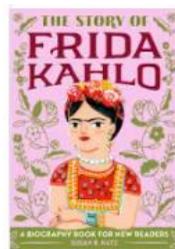
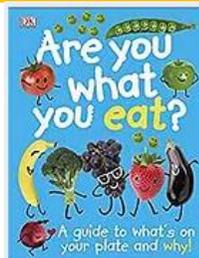
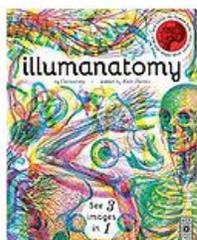
A **balanced diet** supplies the nutrients your body needs to work effectively. Without **balanced nutrition**, your body is more prone to disease, infection, fatigue, and low performance. Children who don't get enough healthy foods may face growth and developmental problems, poor academic performance, and frequent infections.



Frida Kahlo was a Mexican artist who created many self-portraits. She suffered with poor physical health and difficulties but still managed to make her mark on the world.



Reading Recommendations



Crucial Connections

There is extra information about nutrition on the following website:

https://www.nutrition.org.uk/healthyliving/healthydiet.html?gclid=Cj0KQCjw--GFBhDeARIsACH_kdY7kmRPMcoUvWEhq6qqFQVBC_dv4wv1nzViIrRQcPnwUlQymiBouhAaApHOEALw_wcB

Interactive for children: <https://www.healthforkids.co.uk/>

Values
Empathy

Vital Vocabulary

Aspirations

Artist, Farmer, Zoologist, Environmental engineer, Chef, Psychologist

abstract (in art)	Relating to or denoting art that does not attempt to represent external reality, but rather seeks to achieve its effect using shapes, colours, and textures.
balanced diet	A diet consisting of a variety of different types of food and providing adequate amounts of the nutrients necessary for good health.
consumed	To eat or drink something.
fixed mindset	A “fixed mindset” assumes things can’t be changed in any meaningful way so there is no need to try - failure is to be avoided at all costs.
food miles	The distance which food has travelled from where it is produced to where it is consumed.
growth mindset	A “growth mindset” thrives on challenge and sees failure as a springboard for growth and for stretching our existing abilities.
impact	A marked effect or influence
nutrition	Food or nourishment.
produced	To create something.
prototype	A first or preliminary version of a device or vehicle from which other forms are developed.