

MY BODY XL-BOOK

Fifth Graders CLIL Activities

Sections A+B working together
Anne Frank Primary
School year 2015/2016

MY BODY

BOOK

CLIL-SCIENCE

BY THE
"A. FRANK"
FIFTH GRADERS

SCHOOL YEAR

2015-16

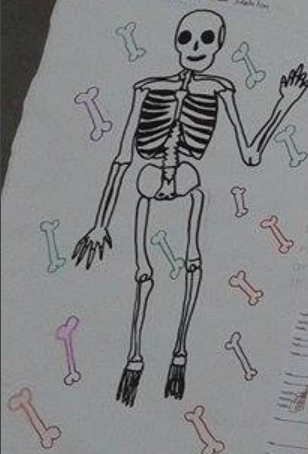
Mr. Skeletony Skeleton



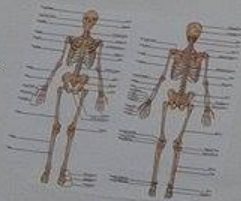
Are the bones important for the human skeleton?
 Yes, they are very important and they support our body and protect our organs.
 What are the most important bones of our skeleton?

What are the names of the human skeleton?
 The skull, the spine, the ribs, the pelvis, the femur, the tibia, the fibula, the humerus, the radius, the ulna, the scapula, the clavicle, the sternum, the vertebrae, the pelvis, the femur, the tibia, the fibula, the humerus, the radius, the ulna, the scapula, the clavicle, the sternum, the vertebrae.

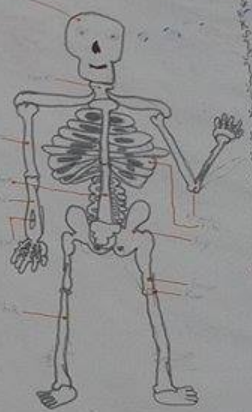
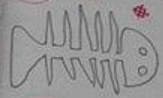
The human skeleton



The human skeleton
 has 206 bones. Some are long and some are small. It supports our body and protects our organs.
 The bone in our head is called the skull. The smallest bone is in the ear. The bone in our body are the vertebrae and the ribs. The end of our arm and the end of our leg are in our body.



Emma
 Mattia
 Alberto



How much does our skeleton weigh?
 It weighs about twelve kilos.
 How many bones are there in our body?
 In our body there are two hundred and six bones.





③ M position

st: turn ludim,
st: tum corneum,
Dead cells flaking off
at the skin surface

Mr. Blood

ST 6
r. 100
3
3. it does

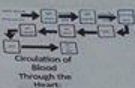
The Government together
 have
 the power to give the
 people the right to
 the state of affairs and
 of the state to determine the
 state of the state from within
 the state.

This is the human body
with the main veins and arteries



REGULATORY SYSTEM

blood



BLOOD TYPES

1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099
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Cells & Tissues

Then blood cells. That is a white liquid called blood plasma is made up of water, salts and other substances.

Is Type

0AB and 2

Did you know that...

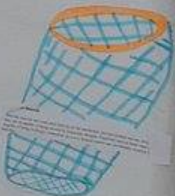
 Blood travels through
a child's body about
2 times every minute.

in growth-type, blood only travels around the body once a minute.

MY MUSCLES



Hand
The hand is a complex structure made of many bones and muscles. The muscles in the hand are responsible for the fine motor skills that we use every day, such as writing, drawing, and using tools.

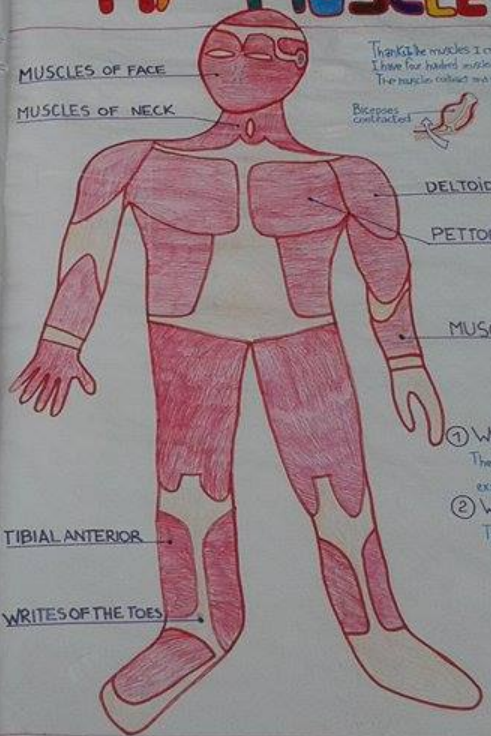


MUSCLES!!!

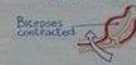
MY MUSCLES

MUSCLES OF FACE

MUSCLES OF NECK



Thank to the muscles I can move my arms. I have four hands muscles that are big and strong. The muscles in the arms are the biceps and triceps.



DELTOIDE

PETTORALI

MUSCLES OF THE FOREARM

TIBIAL ANTERIOR

WRITES OF THE TOES

- Which are voluntary muscles?
The quadriceps, the biceps and triceps for example are some voluntary muscles.
- Which are involuntary muscles?
The heart is an involuntary muscle.

Body

My Lungs



LUNGS



LUNGS
LUNGS
LUNGS
LUNGS

MY LUNGS



What do you know about the lungs?

- The lungs are made of soft spongy tissue.
- The lungs are located in the chest cavity.
- The lungs are responsible for taking in oxygen and getting rid of carbon dioxide.



st. tum ludim,
st. tum corneum,
Dead cells flaking off

The human heart is the muscular pump that pumps blood around the body.



The heart is a muscular pump that pumps blood around the body.

The heart is the muscular pump that pumps blood around the body.

The heart



How does it function?
Can we feel the heart?
Does the heart beat faster when we're excited?

It's tucked away in the chest, so we can't feel it. It's the one that controls the flow of blood in all our body.

We can feel the heart but we can't stop it. It beats fast when we're emotional or when we run.

Yes, when we are excited the heart beats very fast. For example, when we are in love with someone or when we are nervous for an exam.

MY HEART

The heart is a muscular pump that pumps blood around the body.

The heart is covered by a membrane, called the pericardium.

The human heart is 70 beats per minute.



What does the heart look like?

Externally the heart is covered by a membrane which is called the pericardium. The membrane which covers the inner wall, instead, is called the endocardium. Between the two membranes there is a muscle, called myocardial infarction, which is an involuntary muscle. This means that it functions independently of our will. This muscle contracts and relaxes, allowing the heart to function and keeps us alive.

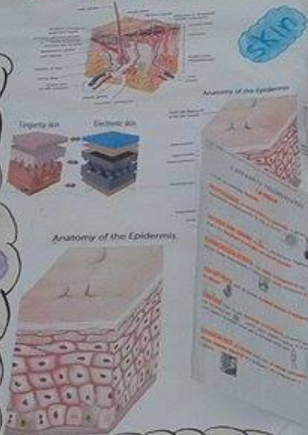


Yes, you're lucky.
stratum ludim,
stratum corneum,
Dead cells flaking off
at the skin surface.

MY SKIN

Your skin produces new cells through a renovation works. The epidermis is the upper layer of the skin. Which isn't vascularized. Its nourishment depends on the metabolism of the person and oxygen.

How many the strates of the skin?
The seven strates



What's are their names?

Dermis stratum basale
stratum spinosum,
stratum granulosum
stratum lucidum,
stratum corneum,
Dead cells flaking off
at the skin surface.



SKIN



The skin is the largest organ and covers 1.5 m² of the body.

Its main function is to protect the body from the environment. It is composed by Epidermis, Dermis, and Hypodermis.

The skin serves many functions:

1) protection → Microbes,

2) thermoregulation → The skin blocks the dangerous bacteria,

3) thermoregulation → The skin regulates the temperature,

4) excretion → The skin excretes waste substances,

5) synthesis → It synthesizes the vitamin D,

6) sensory → Internally there are many sensitive nervous cells.



QUESTIONS

How is composed the skin? The skin is

composed of 3 layers

Which? They are

epidermis, dermis, hypodermis



MY BRAIN AND NERVES! MY BRAIN and NERVES!



I could not live without my brain.
It is the most important part of me.
It makes my whole body work.
My brain tells my nerves what to do.
My nerves get down my spine.
They go to each part of my body.
They tell each part what to do.



What keeps me alive?
My brain

What helps my brain?
My nerves



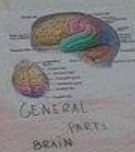
QUESTIONS

How does the brain connect?
The nerves? It sends electricity and
chemicals to the
How much does the brain weigh?
It weighs 1-1.5 Kg

What are the principal brain diseases?
The principal brain diseases are Parkinson's disease, Alzheimer's disease,
Parkinson's disease and Alzheimer's disease.
The diseases connected to the nervous system are called neuropathies.

Every time you move, look something,
or remember something, you use
brain and nerves. The brain is
protected by skull and it's connected
to the nerves. The nerves
are connected to the organs.

The nerves look
like a bundle of
nervous
fibers!



OH MY GOD!



ALMOST
ALL THE
CELLS IN THE
BODY ARE
CONNECTED TO THE
NERVOUS SYSTEM

Al!!

st: tum ludim,
st: tum corneum,
Dead cells flaking off
at the skin surface

EATING



When I'm hungry
I eat a strawberry
because it's red
like my heart



EATING

When I'm hungry
I eat a strawberry
because it's red
like my heart



"Eating is a pleasure
because it's good
for your health"



When I'm hungry
I eat a strawberry
because it's red
like my heart

When I'm hungry
I eat a strawberry
because it's red
like my heart



st. tum ludim,
stratum corneum,
Dead cells flaking off