

Knowledge Organiser – What a Wonderful World

Characteristics of Living Things

There are 7 things that all living things do and we call these **life processes**. All animals, including humans, do these and plants do too! We can remember them with the help of **Mrs Gren.**

Movement

Respiration

Sensitivity

Growth

Reproduction

Excretion

Nutrition



Living, not living or never alive?



Roast chicken is **dead** because it was alive but isn't anymore.



A pig is **living**.



A camera is **not living**.

Grouping Animals

We can group animals depending on what type of food they eat.

Herbivores just eat plants.
A rabbit is a herbivore.



Carnivores just eat meat.
A shark is a carnivore.



Omnivores eat both plants and meat.
A gorilla is an omnivore.



Habitats

A habitat is where a living thing lives. Habitats provide things that living things need for the life processes such as food, water and air.

Examples of micro-habitats:

- flower beds
- trees
- bushes
- under rocks/logs
- ponds
- in the grass

Examples of large habitats:

- desert
- mountains
- polar regions
- jungle
- ocean
- savannah

Examples of habitats:



woodland



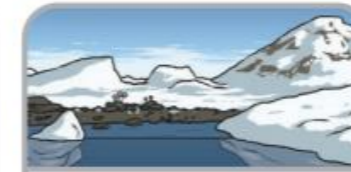
urban



coastal



rainforest



arctic



desert



ocean



river



mountain

Examples of microhabitats:



short grass



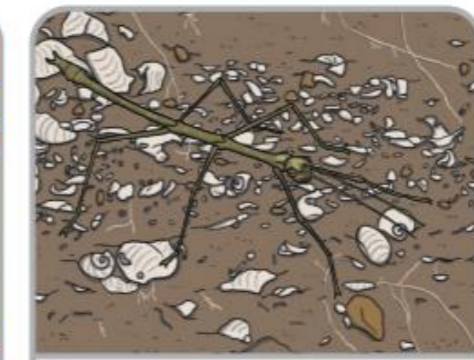
flowers



inside rotting wood



under leaves



in and on soil

Key Vocabulary

habitat	A habitat is the natural place something lives. A habitat provides living things with everything they need to survive such as food, shelter and water.
microhabitat	A microhabitat is a very small habitat in places like under a rock, under leaves or on a branch. Minibeasts live in microhabitats . The microhabitats have everything they need to survive .
depend	Many living things in a habitat depend on each other. This means they need each other for different things.
survive	This means to stay alive.
life processes	These are the things that all living things do. They move, breathe, sense, grow, make babies, get rid of waste and get their energy from food.
living	Things that are living have all the life processes .
dead	Things that are dead were once living . They did have all the life processes but don't now.
never living	Things made out of metal, plastic or rock were never living . They never had the life processes .
food chain	A food chain shows how each animal gets its food. Food chains are one of the ways that living things depend on each other to stay alive.
food sources	This is the place a living thing's food comes from.

Food Chains

Sometimes, scientists use **food chains** to show what different animals eat in a **habitat**.

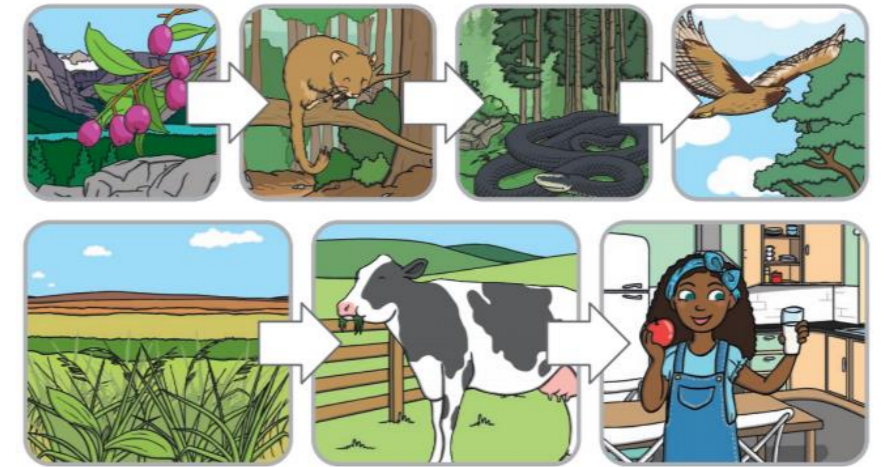
This is a simple food chain:



The arrows mean 'is eaten by'.

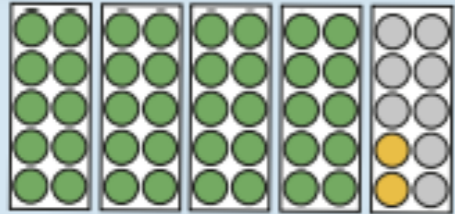
The grass is eaten by the rabbit. The rabbit is eaten by the fox.

Food chains. The arrows mean 'is eaten by'.



Key Vocabulary

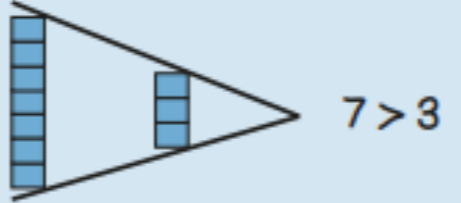
carnivore	An animal that just eats meat
change	When something becomes different
diet	The food that an animal eats
excretion	To dispose of waste
growth	To get bigger
herbivore	An animal that just eats plants
movement	To change position
nutrition	The food we eat
offspring	The babies that an animal produces
omnivore	An animal that eats both plants and meat
respiration	Taking in has and giving out another (breathing, in humans)
sensitivity	Using your senses (see, smell, hear, touch and taste)



42
forty-two
4 tens and 2 ones

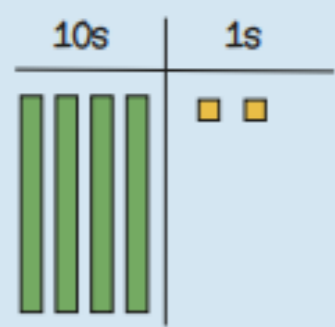
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

$3 = 3$



52 is more than 42
 $52 > 42$

42 is less than 52
 $42 < 52$

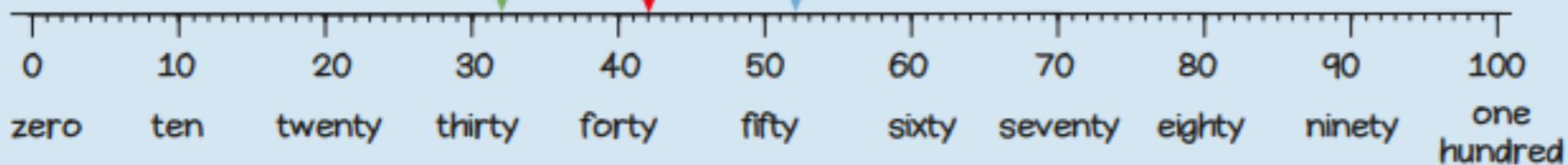


$42 = 40 + 2$
 $42 = 30 + 12$
 $42 = 20 + 22$
 $42 = 10 + 32$

number digit
less greater
ones tens

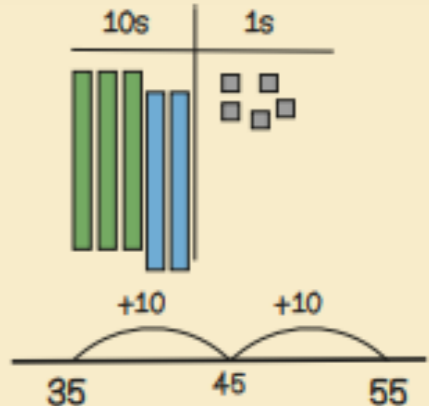
Stop and look.
What do you notice?

10 less than 42 is 32 10 more than 42 is 52



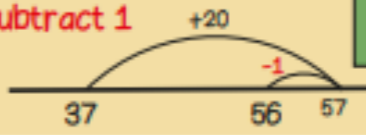
$35 + 20$
Add multiples of ten

If I know $3 + 2$
then I also know...



$37 + 19$
Round then adjust

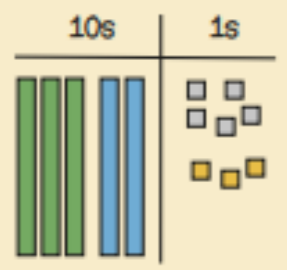
Add 20 then subtract 1



$35 + 23$
Partition and recombine

$35 + 23$
 $30 + 5 + 20 + 3$
 $50 + 8 = 58$

addend
sum
plus
total



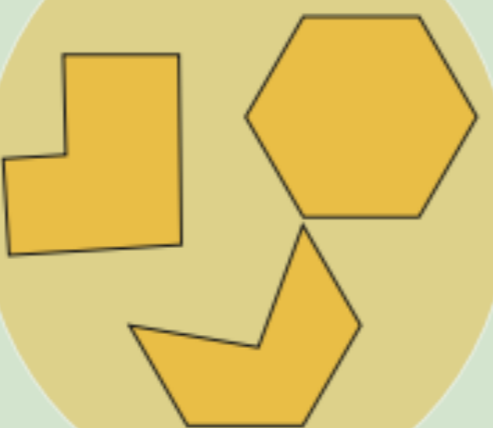
$35 + 23 = 23 + 35$
Addition is commutative

Year 2 Term 1

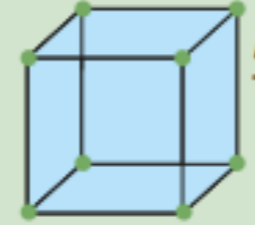
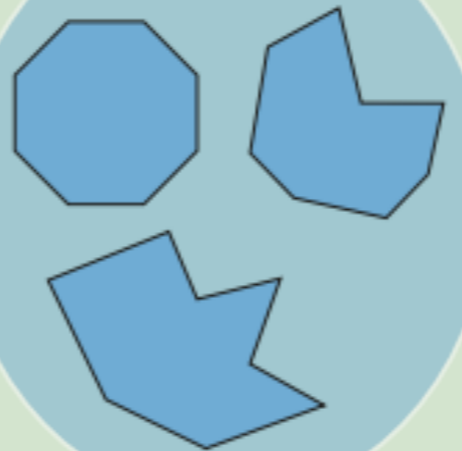
Pentagons - 5 straight sides



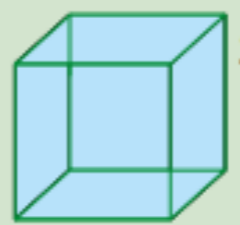
Hexagons - 6 straight sides



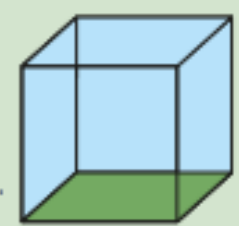
Octagons - 8 straight sides



A vertex is the corner of a 3D shape.
This cube has 8 vertices.



An edge joins 2 vertices.
This cube has 12 edges.



The flat surface is a face.
This cube has 6 faces.

pentagon
hexagon
octagon
vertex
edge
face



Knowledge Organiser Fitness Year 2

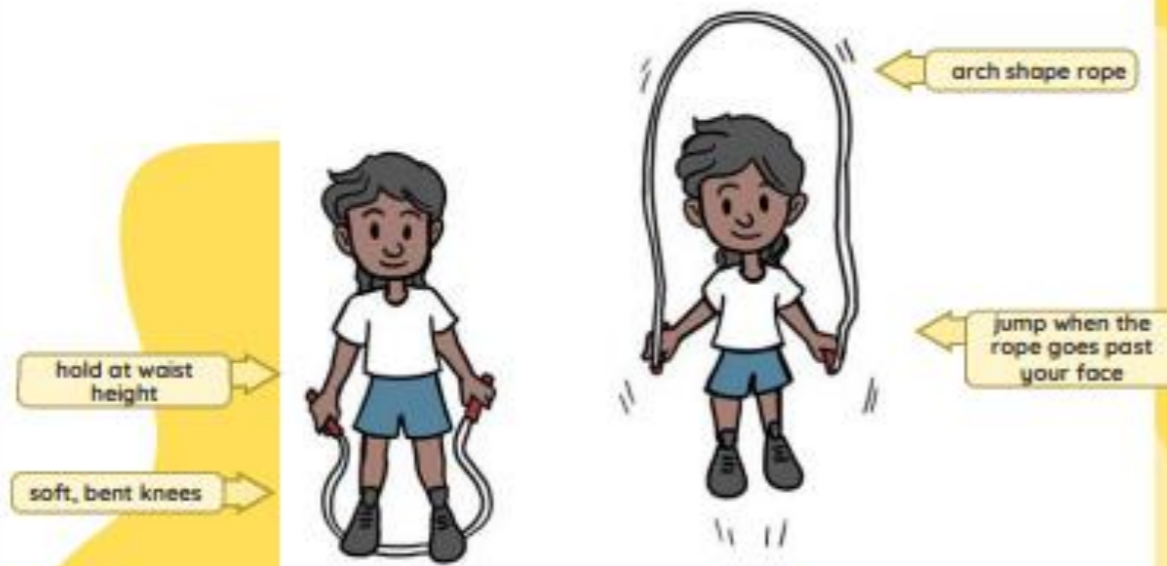
Ladder Knowledge



- Agility:** Using small quick steps will help you to change direction.
- Balance:** You can squeeze your muscles to help you to balance.
- Co-ordination:** Some skills require you to move body parts at different times such as skipping.
- Speed:** Take shorter steps to jog and bigger steps to run.
- Strength:** Strength helps us with everyday tasks such as carrying our school bag.
- Stamina:** You need to run slower for a long time.

About this Unit

Being fit means keeping your body strong and full of energy. Just like how we take care of our toys to keep them working well, we need to take care of our bodies too. When we're fit, our bodies can do lots of fun things like running, playing, and exploring.



Movement Skills

- run
- stamina
- skip
- co-ordination
- agility
- strength
- balance

This unit will also help you to develop other important skills.

- Social** encourage others, communication
- Emotional** perseverance, determination
- Thinking** comprehension, identify strengths and areas for improvement

Strategy

Keep trying lots of different activities outside of school to find something you enjoy.

Healthy Participation



Behave and move in a safe way.

If you enjoy this unit why not see if there is an athletics club in your local area.



Key Vocabulary



- | | | |
|----------|--------|--------|
| bend | jump | steady |
| breath | land | strong |
| exercise | speed | time |
| jog | sprint | tired |

Home Learning

Find more games that develop these skills in the Home Learning Active Families tab on www.getset4education.co.uk

What's that Word?

What you need: people you live with

How to play:

- As a household choose three words that you are going to be your 'what's that' words for the day. e.g CAN, YOU and TV.
- Choose words that are said quite often in your household to make the game harder!
- Choose appropriate exercises for each member of your household e.g. mum might want to do star jumps, brother might want to do squats etc.
- Every time a 'what's that' word is said, the person who said it must complete 10 of their chosen exercises.
- Don't forget to remind them by saying:

What's that word?

www.getset4education.co.uk

This unit will help you to:

- change direction quickly
- balance
- move different body parts at the same time
- be faster
- move for a long time
- be stonger

Head to our youtube channel to watch the skills videos for this unit.



@getset4education36



Get Set 4 Education

Knowledge Organiser Gymnastics Year 2

Ladder Knowledge



Shapes:
Some shapes link well together.

Balances:
Squeezing your muscles helps you to balance.

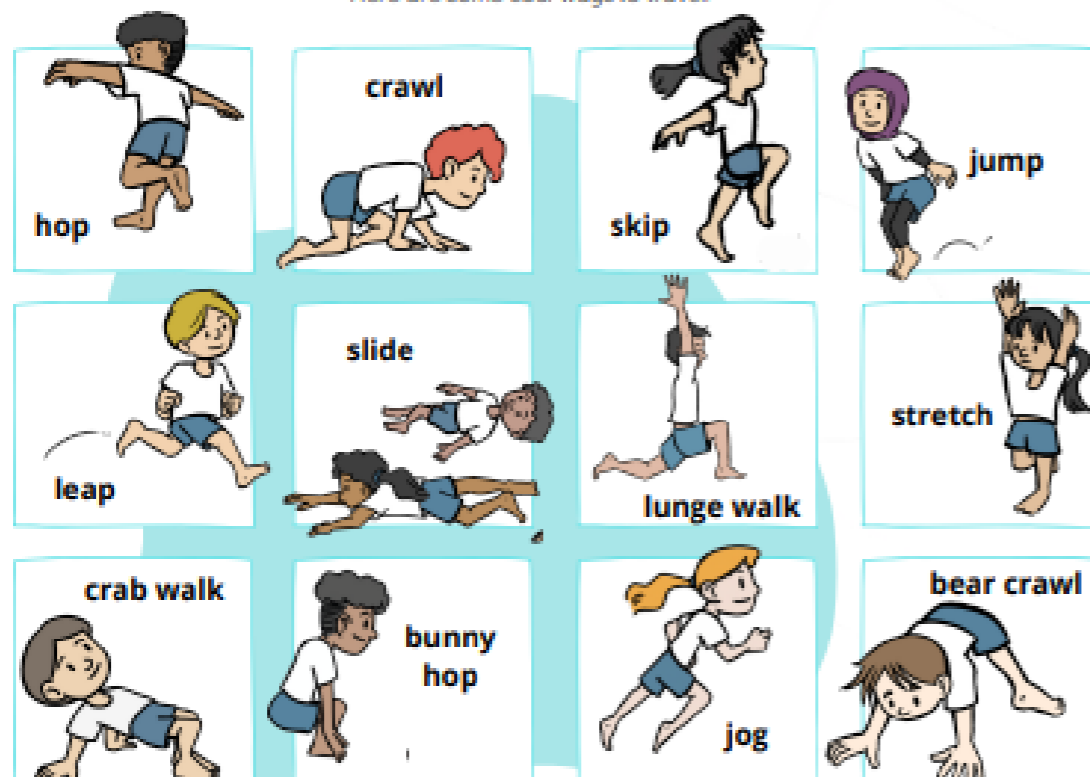
Rolls:
There are different teaching points for different rolls.

Jumps:
Looking forward will help you to land with control.

About this Unit

In gymnastics you learn to move your body in really fun ways. From balancing to rolling and jumping. In gymnastics you can link these actions using travelling actions to create sequences. Sequences are like stories with a beginning, middle and end.

Here are some cool ways to travel.



Movement Skills

- shapes
- balances
- travelling actions
- shape jumps
- barrel roll
- straight roll
- forward roll

This unit will also help you to develop other important skills.

Social leadership, work safely, respect

Emotional confidence, independence

Thinking select and apply actions, creativity

Strategy

Use shapes that link well together, it will help your sequence to flow.

Healthy Participation



- Remove shoes and socks.
- Make sure the space is clear before using it.

Home Learning

Find more games that develop these skills in the Home Learning Active Families tab on www.getset4education.co.uk



Key Vocabulary



balance

direction

level

link

pathway

pike

roll

sequence

shape

speed

star

straddle

tuck

If you enjoy this unit why not see if there is a gymnastics club in your local area.



This unit will help you to:

- balance
- move different body parts at the same time
- be more flexible
- be stronger

Gymnastics Obstacle Course



What you need: a dressing gown, rope, two pillows and toy

How to play:

- Create a gymnastics course by placing out the rope, pillows and toy.
- Balance along the rope, jump and land on each of the pillows then create a balance by creating the same shape as your chosen toy.
- Place the items further apart and link your actions using different travelling actions e.g. crawl, spin, hop, lunge etc.



www.getset4education.co.uk

Head to our youtube channel to watch the skills videos for this unit.



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Y2 PSHE Jigsaw Knowledge Organiser Being Me in My World

Puzzle Outcomes

- I can identify some of my hopes and fears for this year.
- I know how to use my Jigsaw Journal.
- I can recognise when I feel worried and know who to ask for help.
- I understand the rights and responsibilities of being a member of my class and school.
- I know how to help myself and others feel like we belong.
- I can listen to other people and contribute my own ideas about rewards and consequences.
- I can help make my class a safe and fair place.
- I understand how following the Learning Charter will help me and others learn.
- I can work cooperatively.
- I can recognise the choices I make and understand the consequences.
- I can follow the Learning Charter.

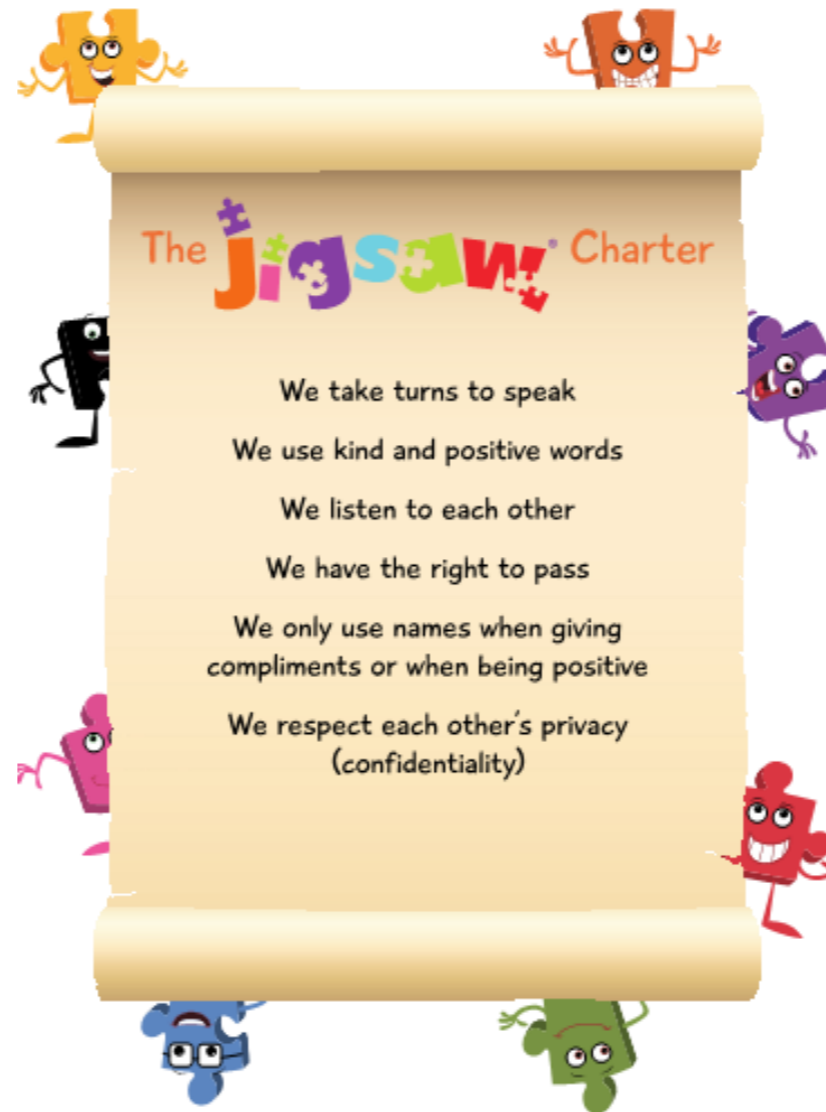
Being Me in My World at Haydon Wick Primary School

As good citizens of Haydon Wick Primary School we can explain how our choices can have an impact on people in the community and globally.



Our Values of the term:

Friendship and Perseverance



Weekly Celebrations

Week 1 - Help others to feel welcome.

Week 2 - Try to make our school community a better place.

Week 3 - Think about everyone's right to learn.

Week 4 - Care about other people's feelings.

Week 5 - Work well with others.

Week 6 - Choose to follow the Learning Charter.

Key Vocabulary

Worries	To feel or cause to feel anxious or troubled about actual or possible problems.
Hopes	A feeling of expectation and desire for a particular thing to happen.
Fears	To be afraid of the threat of danger, pain, or harm.
Responsibility	Something that it is your job or duty to deal with.
Charter	A collaboration of standards in which the student and teacher abides while in a classroom.
Rewards	To give something to someone in recognition of their efforts, or achievements.
Children's Rights	Children's rights are human rights specifically adapted to the child because they take into account their fragility, specificities and age-appropriate needs.
Consequences	A result or effect, usually one that is unwelcome or unpleasant.