

## Year 6 knowledge organiser: Computing - Communication & Collaboration

In this unit learners will explore how data is transferred over the internet.

Pupils initially focus on how data moves over the internet, before they move on to the makeup and structure of data.

Learners then look at how the internet facilitates online communication and collaboration; they complete shared projects online and evaluate different methods of communication.

Finally, they learn how to communicate responsibly by considering what should and should not be shared on the internet.



### Y6 Computing



Vocabulary	
Communication	How we share information with others.
Data packets	How computers send data over the internet.
Collaboration	Working together with others.
Protocol	An agreed way of doing something.
Public	Information that can be seen by anyone.
Private	Information that can only be seen by those whom it has been directly shared with.

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## What I will know by the end of this topic

**What does IP stand for?** *Internet Protocol.*

**What is a data packet?**

*A data packet is how computers send data across the internet.*

**What are the two main parts of a data packet?** *The header and the data payload.*

**What are the main benefits of communication over the internet?** *You can talk to people all over the world, it enhances collaboration, it is cost effective, and it increases productivity.*

**What information can you share online?**

*Text, images, videos and audio.*

**What are the main risks associated with online communication?**

*It could be shared with many others, you would be unsure of who you are actually talking to.*

## Working on an online document editor together:

Animals that live in the desert

Online document editor:

### ANIMALS THAT LIVE IN THE ARABIAN DESERT

> Bactrian camels

> Emperor penguins

> Snakes

> Addax antelope

> Scorpiane

Are you joking?  
Emperor penguins??

Ooo I like this!! I think  
the background  
could be brighter?

I think you spell this  
's-c-o-r-p-i-o-n'

Okay I will check  
the dictionary :)

Hiya, please can we  
change the font? I  
don't like this one...

Yes I think the  
same! Which one?

17:30: Annie wrote 'Animals that live in the Arabian Desert'  
17:30 Derek wrote '> Bactrian camels'  
17:31 Derek left a comment  
17:33 Annie left a comment  
17:49 Jack replied to a comment  
17:55 Jack left a comment  
18:12 Sophie replied to a comment  
18:38 Layla left a comment  
...Layla is editing the background...  
...Jack is editing 'Scorpiane'

offline

away

online

online