It is not thinking like a computer It is not always using a computer as the solution It is not limiting creativity

Making mistakes

I can enjoy things that go wrong and learn from them. I see mistakes as a normal part of solving problems.

Pattern recognition

Is this similar to a problem I've already solved? How is it different? Which parts of the problem are the same? Which parts of the problem are different?

I don't give up. I'm prepared to keep having a go to see what happens. I keep going, even when things seem confusing. I'm determined to find solutions

Perseverance

Imagination

I can look at things in unusual ways. I'm ready to consider the impossible. Sometimes I leave a problem for a while. A solution might come to me when I'm thinking about something else.

Attitudes and Skills

Thinker:

The

Computational



Problem solving Designing solutions Understanding behaviour

Decomposition

Can I explain the different parts of this problem and solution? How are the parts of the problem connected?

Algorithm design

What do I need to think about to make this happen? What are the steps I will need to do to solve this problem?

Collaboration

I can use other people's ideas. I can share my ideas. We can talk together to solve a problem. I can teach my peers and they can teach me.

Abstraction and generalisation

Which is the information I actually need? What don't I need to know? Have I made this more complicated than I need to? Will this work for other things?







Attitudes