

Challenge ‘cards’

Use challenge cards when you want:

- Depth and focus
- Critical thinking
- To highlight specific inclusion issues
- More structured outputs

It's a way of stretching yourself to apply UDL under specific constraints

1. Plants (KS1/KS2)

Explain what plants need to grow

Challenge:

Design this part of the lesson for a pupil with limited English proficiency (EAL).

- You cannot rely on extended explanations
- You must include at least one visual and one practical element

2. Forces (KS2 – friction investigation)

Investigate which surface creates the most friction.

Challenge:

Adapt the practical so that **no whole-class teacher explanation is used.**

- Instructions must be accessible independently
- All pupils must still be able to participate meaningfully

3. Animals incl. Humans (KS1)

Label parts of the human body

Challenge:

Redesign this task so it can be completed with no written output at all.

- Pupils must still demonstrate understanding of body parts and their functions

4. State of matter (KS2)

Describe solids, liquids, and gases

Challenge:

Design this learning sequence for a class including a pupil with working memory difficulties.

- Reduce cognitive load
- Build in scaffolding and chunking

5. Food chains (KS2)

Write a paragraph explaining a food chain

Challenge:

Remove all teacher-led questioning from this part of the lesson.

How will you create engagement and check understanding instead?

6. Electricity (KS2)

Testing conductors and insulators

Challenge:

Plan this activity so that all pupils have a defined role during the practical.

- No pupil can be passive
- Roles must support meaningful participation

7. Light (KS2)

Practical to show that light travels in straight lines

Challenge:

Design this part of the lesson for pupils who struggle to process verbal instructions.

- You cannot rely on spoken explanation
- Instructions must be self-guiding and visual

8. Seasonal change

Make a whole class living seasons wall

Challenge:

Teach this concept to pupils with very different prior knowledge.

- You must include built-in support and extension pathways
- No separate tasks allowed

9. Everyday materials

Materials scavenger hunt

Challenge:

design this lesson so pupils can succeed with minimal teacher intervention.

- Focus on independent exploration
- Include a way to check understanding without teacher questioning

10. Rocks and Soil

Soil feel test

Challenge:

Make this lesson accessible to a pupil with low confidence and reluctance to participate.

- You must reduce risk/anxiety
- Include low-stakes ways to contribute