

NOTE: This version of the teacher information is provided as part of the study pre-registration on OSF. It combines two information documents provided separately in the original study. It also omits dates and procedural instructions that were specific to the 2021 evaluation study only, such as how to return completed quiz papers to the research team.

LEANS pre-test Quizzes

Information for Teachers

This document gives you a bit more information about when and how you will be helping us to collect data from your pupils, using the LEANS quizzes.

About the pre-test (baseline) quiz– before you start [any LEANS teaching](#)

Before starting the LEANS teaching we will ask your class to do one quiz to measure their attitudes and knowledge. We will call this our **pre-test** or **baseline** timepoint.

The pre-test Attitudes and Actions quiz should be given to the class before starting any LEANS content. This is essential to the evaluation study! If you have already begun delivering any LEANS content, we will not be able to use *any* quiz information from your class.

You can go straight into LEANS if you want to on the same day, but we suggest that you might wait a day before starting LEANS. The LEANS materials are meant to be fun and interactive, and the quiz is neither of those things, so it won't make such a good first impression!

The baseline quiz is called **Attitudes and Actions**. There are administration instructions for you in the next section. You will need to:

- Make sure you have a printed copy of the quiz for every pupil in your class, whether their parents have enrolled them in the LEANS study or not.
- Make sure you have your own teacher-version of the quiz which includes instructions to read out.
- Set aside at least 15 minutes to complete the quiz. *This is our time estimate based on piloting—please use your own judgement about exactly how long your class will need.*

Pupils should complete the quiz independently but you don't need to worry about enforcing strict "exam conditions". We don't want to stress them out!

Administration instructions on next page →

Administering the pre-test quiz

TEACHER PREPARATION

- Please make sure each pupil in your class has their own copy of the LEANS Knowledge Quiz, so that they can follow along with the questions and fill in their answers.
- **The whole class should do the quiz**, and we (the LEANS research team) will destroy any quizzes completed by pupils whose parents did not enrol them in the study. This avoids you having to pick out those pupils with / without parent permission.
- All pupils will need a **pen or a pencil** to mark their answers. Please ask them not to use sharpies or marker pens (as these may bleed through the paper).
- Pupils are allowed to answer in **alternate formats** such as typing their answers or having a staff member write down the pupil's chosen answers on their behalf.

ADMINISTRATION

For each section...

- Please read out the information at the start of each section, and provide a brief pause, to give pupils a chance to ask any clarifying questions.
- If you think it is relevant to your class, please specify that they need to choose **one answer** from the list on multiple choice questions and agreement / disagreement statements. They should not write in additional answers, or choose multiple answers. If they do, we cannot use those questions.

Reading our questions and answer options

- Then, please read out each question and its set of answers.
- Allow pupils time to decide and mark their answers. *We leave the amount of time for answering to your discretion, as you know your class.*
- You may read the question and/or answers again, if pupils request this.

Answering pupil questions

- If pupils query the meaning of any words within the questions or the answer options, please do not define the words for them (as they may be part of the knowledge we are testing).
- Please encourage pupils to work out the meaning as best they can.

TIMING

- Individual questions and the overall measures are *not timed*. Pupils can take all the time they need.
- If individual pupils have learning needs that mean they will best be able to complete the measure in shorter sessions, they are welcome to do this and this does not affect the LEANS project using their data.

LEANS Post-test Quizzes

Information for Teachers

This document gives you a bit more information about when and how you will be helping us to collect data from your pupils, using the two LEANS post-test quizzes.

About the post-test (outcome) quizzes— after you finish all LEANS units

As soon as possible after concluding the LEANS teaching, we ask your class to do **two quizzes**. Quiz #1, Attitudes and Actions, is very similar to the pre-test quiz your class already completed measuring their attitudes and beliefs. Quiz #2 focuses on neurodiversity vocabulary and concepts introduced by the LEANS materials. We will call these our **post-test** or **outcome** timepoint.

The post-test quizzes should be given to your class only after you have finished all seven units of LEANS content. This is essential to the evaluation study!

Post-test quiz #1 is called **Attitudes and Actions quiz** (the AAQ). Post-test quiz #2 is called the Neurodiversity Knowledge Quiz (the NDKQ).

Please note that the post-test version of the attitudes quiz is *not the same* as the pre-test version. If you have leftover copies from the pre-test, please recycle them.

There are administration instructions for you in the next section—they are the same for both quizzes. You will need to:

- Make sure you have a printed copy of each quiz for every pupil in your class, whether their parents have enrolled them in the LEANS study or not.
- Make sure you have your own teacher-version of each quiz which includes instructions to read out.
- Set aside time for the quizzes
 - ~15 minutes for **Quiz 1** (this is very similar to the pre-test, but 1 question longer).
 - ~20 minutes for **Quiz 2** (18 questions, including two where pupils have space to write their own responses).
 - *These are our time estimates based on piloting—please use your own judgement about exactly how long your class will need.*

Pupils should complete each quiz independently but you don't need to worry about enforcing strict "exam conditions". We don't want to stress them out!

Administration instructions on next page →

Administering the post-test quizzes

QUIZ ORDER AND SCHEDULING

- Please administer Quiz 1 (attitudes) before Quiz 2 (neurodiversity knowledge), so that this order will be the same across all participating schools.
- You *do not* need to complete the two quizzes in the same lesson period or on the same day.
- Please complete Quiz #2 as soon as you (and your class) can feasibly manage after Quiz #1.

TEACHER PREPARATION (Quiz 1 and Quiz 2)

- Please make sure each pupil in your class has their own copy of the quiz, so that they can follow along with the questions and fill in their answers.
- **The whole class should do each quiz**, and we (the LEANS research team) will destroy any quizzes completed by pupils whose parents did not enrol them in the study. This avoids you having to pick out those pupils with / without parent permission.
- All pupils will need a **pen or a pencil** to mark their answers. Please ask them not to use sharpies or marker pens (as these may bleed through the paper).
- Pupils are allowed to answer in **alternate formats** such as typing their answers or having a staff member write down the pupil's chosen answers on their behalf.
- On **Quiz 2**, pupils can use **additional paper** for longer written answers if they wish. Please make sure it gets stapled to their main quiz!

ADMINISTRATION (Quiz 1 and Quiz 2)

For each section...

- Please read out the information at the start of each section, and provide a brief pause, to give pupils a chance to ask any clarifying questions.
- If you think it is relevant to your class, please specify that they need to choose **one answer** from the list on multiple choice questions and agreement / disagreement statements. They should not write in additional answers, or choose multiple answers. If they do, we cannot use those questions.

Reading our questions and answer options

- Then, please read out each question and its set of answers.
- Allow pupils time to decide and mark their answers. *We leave the amount of time for answering to your discretion, as you know your class.*
- You may read the question and/or answers again, if pupils request this.

Answering pupil questions

- If pupils query the meaning of any words within the questions or the answer options, please do not define the words for them (as they may be part of the knowledge we are testing).
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TIMING (Quiz 1 and Quiz 2)

- Individual questions and the overall measures are *not timed*. Pupils can take all the time they need.
- If individual pupils have learning needs that mean they will best be able to complete the measure in shorter sessions, they are welcome to do this and it does not affect the LEANS project using their data.