Confidence Boosting Activities for Mathematics For ages 5-12

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Confidence Boosting Activities for Mathematics

As teachers, we love seeing our students enjoy learning and grow in confidence. This Confidence Boosting Activities for Mathematics Pack is designed to help you establish a warm and nurturing mathematics environment in your classroom. The activities will help you and your students reflect on learning, celebrate success, build confidence, and most importantly find enjoyment in mathematics.

Activities included in this pack:

Activity 1 – Mathematics Journal

Mathematics journaling is the perfect activity for the end of a lesson or as homework. This activity helps students reflect on their learning and the progress they have made.

How to use this resource:

- 1. Provide each student with their own journal worksheet.
- 2. First, students circle how they feel about mathematics on that day. Then they can share what they have learnt about mathematics in any format they like, e.g., short answers, dot points or drawings.

TIP: Have students do this multiple times throughout the course of a topic, week, term or even year. Then have them compare all their sheets over time and see how much progress they have made!

Find the activity sheet on page 4.



Mathletics



Activity 2 – Affirmation Cards

These affirmation cards are designed to help students feel proud of their progress and boost self-confidence. The cards are specifically worded in a way to foster a growth mindset and encourage perseverance.

This resource can be used in several ways:

- 1. Teachers can present a specific affirmation card to each student based on their achievements for the day, week, or month.
- 2. You can ask students to select an affirmation card for themselves based on their achievements for the day, week, or month.
- 3. If you have been running group activities, ask a student to select an affirmation card to give to another student.

TIP: In each of the above instances, we encourage the teacher and students to explain why they have selected the affirmation card for their classmate or themselves. This will help students to take pride in their achievements in mathematics.

Find the activity sheets on page 5 and 6.



Confidence Boosting Activities for Mathematics

Activity 3 - Mathematics Talk – Conversation Cards

These Mathematics Talk cards are designed to stimulate, scaffold and support students in talking about mathematics and build confidence through collaborative work. They are also designed to help students extend their thinking, share strategies, and discover that there are often multiple ways to find an answer.

The aim of these conversation cards is for students to experience assisting each other in student-led explorations. It will take a while for students to feel comfortable voicing their answers, opinions and articulating their thinking. After all, we know this is scary for many!

Use these cards to help cultivate a positive learning environment where different opinions and discussions are valued. Be patient and keep in mind that your students will require a lot of modelling and practise before they may be able to use the cards independently to create the kind of lively and productive conversations, you're excited to hear.



How to use these cards:

This pack contains both partner talk cards and single prompt or sentence starter cards.

Single Cards

Single cards contain both questions and sentence starters. They are a great way of introducing and modelling a maths conversation for your class.

- 1. Divide the cards into a questions group and an answer prompts group.
- 2. Hand out the question cards to students.

Note: Explain that your students will be helping you to think about your answers and that you will be using some 'answer' cards to help you as well.

- 3. Have students use the cards to ask you questions and model using the answer cards to start your sentence.
- 4. Then swap roles or give students some answer cards so they can practice both roles as well.

Teaching tips:

- Stick up cards on a board or around the classroom and encourage students to use them if they get stuck.
- Laminate cards and have them handy in group areas or on desks to also use as prompts.
- Run a class challenge! Every time you hear a student using a question or sentence starter prompt, they can earn a point. Keep a leaderboard displayed in the classroom. Let your students know that you'll be eavesdropping on their chats to award points! You can also make certain cards worth more points and award prizes!

Partner Cards

Partner talk cards are designed to help facilitate pair discussions. To the left of the card is a question that a student can ask. To the right is a sentence starter to help another student answer the question.

Split your class into pairs at the end of the lesson and have your pairs use the cards to kick off a discussion.

Find the activity sheets on pages 7-11.





Activity 2 – Affirmation Cards

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Activity 2 – Affirmation Cards

I can tell you how I got my answer I'm learning more mathematics everyday Mb I am feeling better about mathematics I am learning new strategies to solve each day problems all the time 6+2=? 5+5 • I feel more confident sharing my Helping my friends solve problems answers with my class makes me happy I keep trying even if I don't get the I feel brave when I try to solve harder question correct at first mathematics problems

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Activity 3 – Mathematics Talk - Conversation Cards

Single Cards



Activity 3 – Mathematics Talk - Conversation Cards

Single Cards



Activity 3 – Mathematics Talk - Conversation Cards

Single Cards



Activity 3 – Mathematics Talk - Conversation Cards

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Partner Cards



Activity 3 – Mathematics Talk - Conversation Cards

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Partner Cards





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