Math Mastery Series (JEMM, JEMM+, and EMM) for remote learning incorporating MMSanimation

Option 1 - Math Mastery Series (MMS): Teacher-delivered lessons to remote learners

Communicate audio-visually using a *video link* from school or home, to students in remote locations. Teacher simply delivers the MMS lesson, carries out corrections, and debugs as per normal. Students record responses in their Student Workbook (myEMMdata; myJEMM+data; myJEMMdata).

At the end of a MMS round (5 lessons make up a round), students upload to their teacher an image of their completed *Round* from their *Student Workbook*. Teacher reviews data to ensure effective debugging and provides one-on-one support where required.

MMSanimation

For extra practice: After the teacher-delivered lesson is completed and before the next lesson, students should go to MMSanimation (EMManimation or JEMM+animation), play the video, listen to the voice and watch the animation; then answer the question directly into their prac journal.

Note: EMManimation prac journal free download:
https://mathmasteryseries.com.au/emmanimation/

Note: JEMM+animation prac journal free download:
https://mathmasteryseries.com.au/jemmplusanimation/

When a student requires one-to-one support their MMSanimation prac journal data should be reviewed alongside their Student Workbook.

Option 2 - Math Mastery Series (MMS): Teacher-video lessons

Video the teacher presenting MMS lessons (JEMM. JEMM+, and EMM) and make videos available through a secure link for students to access from remote locations.

At the end of a MMS lesson, students upload to their teacher an image of their completed lesson from their Student Workbook (myEMMdata; myJEMM+data; myJEMMdata).

Teacher reviews student identified bugs and provides one-on-one support.

*MMSanimation enables students to practise lessons at their own pace, ideally, after the teacher-video lesson is viewed. See above: Option 1 MMSanimation.

Option 3 - Math Mastery Series (MMS): MMSanimation with teacher support

For each section of the MMS lesson (EMM has 20 sections; JEMM+ 15 sections) teacher runs the MMSanimation video to deliver the script. This frees up the teacher to move around as the video plays, observing student faces as they watch the video, then observing student workbooks as they record their responses. After the last section of the lesson has been delivered the teacher carries out corrections and debugs as per normal.

Note: A lesson will automatically proceed to the next section, or the teacher can control when to proceed. You can also use the dropdown to select any question in that lesson.

*MMSanimation enables students to practise lessons at their own pace, perhaps while the teacher provides one-to-one student support, or as a homework task. See above: Option 1 MMSanimation.

Important notes

What the teacher says and simultaneously points to (script shown in CAPITAL LETTERS), on the MMS electronic display, is a critical aspect of lesson delivery. Ensure the camera setup allows for the student to see the MMS electronic display material. Don't forget: deliver each sentence in *chunks* and *pause* between chunks.

Further, MMS is data-driven; using student responses to specifically target misunderstanding (Bugs), and capturing that data in the prescribed workbook is critical to teacher diagnosis and consequent student path to mastery. For remote learners workbooks should be sent home.

One-to-one support: MMSanimation prac journal data should be reviewed alongside their Student Workbook. When students return to school, the workbook and journal will provide a valuable progress map of student online learning.

A lesson learned by MMS schools relocated after bushfires was students wanted their teacher to deliver lessons as normally as possible. Though circumstances had changed it was important from a student viewpoint that their teacher was still there for them.

While MMSanimation can be used to support teacher delivery of a lesson, **it does not remove the role of the teacher**. In maximising the benefits of the MMS the importance of the teacher's role cannot be over-emphasised. Teacher debugging is the most critical step in the path to mastery.

MMSanimation videos are best viewed in Chrome, Firefox or Internet Explorer.

See also Resources: Student Workbook; Sample Materials; Updates:
https://mathmasteryseries.com.au/student-workbook/

Please call if anything needs clarification. Take care now.

Regards

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