



## Autograph Maths

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# HOW TO BECOME A CERTIFIED AUTOGRAPH TRAINER

WORKSHOP BY DOUGLAS BUTLER AND THE TSM TUTORS  
TUESDAY 8th JULY 2014, 9AM – 11AM

When used effectively, technology can transform teaching, providing new ways to visualise and interact with mathematics. Over the coming days, TSM will provide you with the opportunity to develop insight into the best ways of using technology in the classroom, through workshops run by international tutors and discussions with like-minded mathematics teachers. We know you will go away brimming with ideas, but this is just the beginning.

We want to encourage you to share your ideas and enthusiasm with other mathematics teachers by running workshops or creating resources. By putting into practice what you have learnt at TSM, you will be able to reflect on and deepen your understanding, and you will be able to qualify as a Certified Autograph Trainer.

*To teach is to learn twice. – Joseph Joubert*

## AGENDA

- 9:00 Welcome from Douglas Butler.
- 9:30 **How to structure a workshop**  
Douglas Butler
- 10:00 **How to deliver a successful workshop**  
Mike Wakeford
- 10:20 **How to create your own resources**  
Craig Barton
- 10:40 **Where to find resources for running your first training sessions**  
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## REQUIREMENTS FOR BECOMING A CERTIFIED AUTOGRAPH TRAINER

To qualify as a Certified Autograph Trainer you will need to complete two tasks:

1. **Run two workshops for other mathematics teachers**  
For example for the other teachers in your department.
2. **Create two Autograph resources**  
These could be written materials, videos or online resources.

## RESOURCES FOR RUNNING YOUR FIRST TRAINING SESSIONS

For a comprehensive list of links to Autograph resources please visit <http://www.tsm-resources.com/autograph.html>. Here is a short list of resources that are particularly useful when you are running training sessions:

1. **Alan Catley's Student Worksheets**  
[http://www.kangaroomaths.com/free\\_resources/autograph/index.html](http://www.kangaroomaths.com/free_resources/autograph/index.html)  
A huge collection of activities with written step-by-step instructions.
2. **Simon Woodhead's Video Tutorial Series and Training Material**  
<http://www.autograph-maths.com/videtutorials>  
Each activity has a video and written step-by-step instructions.
3. **Douglas Butler's Beginner to Advanced Video Tutorials**  
<http://www.tsm-resources.com/videos/tutorials.html>  
7 videos demonstrating how Douglas would run a training session.
4. **Chapter 3 from the Autograph Activities books by Craig Barton**  
[www.autograph-maths.com/downloads/tutorial-from-teacher-demonstrations-16-19.zip](http://www.autograph-maths.com/downloads/tutorial-from-teacher-demonstrations-16-19.zip)  
A hands-on activity providing an overview of some of Autograph's major 2D graphing features.
5. **Craig Barton's Online Autograph Activities**  
<http://www.mrbartonmaths.com/autographact.htm>  
A collection of online Autograph Activities. Note that you do not need Autograph installed to use these activities.

## KEEPING UP-TO-DATE

1. **Autograph Newsletter**  
<http://www.autograph-maths.com/newsletter>  
Each jam-packed edition will look at a specific topic in mathematics and how Autograph can help engage students and enable them to understand the key concepts better.
2. **Twitter**  
Follow us at [@autographmaths](https://twitter.com/autographmaths) to be the first to find out about new features and tutorials.

## WE'RE WITH YOU ALL THE WAY

Running workshops for other teachers can be a bit daunting, but you can take confidence that we are here to support you getting started.

1. **Ask Us by Emailing Support**  
Whether you want to know how to do something in Autograph or want us to review some resources you have created, simply email [support@autograph-maths.com](mailto:support@autograph-maths.com).
2. **Ask Each Other on the Autograph Forums**  
The best Autograph users don't work for Autograph! Ask the advice of other teachers using Autograph by posting a question on our forum <http://www.autograph-maths.com/mybb/>.

## HOW TO CREATE RESOURCES

### WRITTEN MATERIALS

If you are writing step-by-step instructions in Word consider using the Autograph button images from <http://www.tsm-resources.com/zip/AutographBUTTONS.zip>.

### VIDEOS

Jing is a free screen capture program that allows you to record a video tutorial of yourself demonstrating how to use Autograph. Jing can be downloaded from <http://www.techsmith.com/jing.html>.

### ONLINE RESOURCES

You can create free online Autograph Activities using the Export to Web Page feature. Learn about how by watching [http://autograph-maths.com/videotutorials/#/videos/export\\_controller.swf](http://autograph-maths.com/videotutorials/#/videos/export_controller.swf)

