What is Prodigi?



Prodigi is an Adaptive Quiz Engine. Questions are carefully scaffolded as students progressively construct their knowledge – developing deep conceptual understanding. Students progressively answer harder questions as they achieve proficiency. Each student receives a unique combination of questions, starting at the Easy level, before advancing to Medium, Hard and Extreme.

Students are expected to use the correct **Prodigi Workflow** to ensure they develop a Growth Mathematical Mindset ie. putting the growth mindset approach into their *natural* workflow. One 'round' of a Prodigi quiz consists of 10 questions. Students aim to attempt each Prodigi quiz 3 times (as a minimum), reviewing incorrect answers between each re-attempt.

Here's what the Prodigi Growth Mindset Workflow looks like:

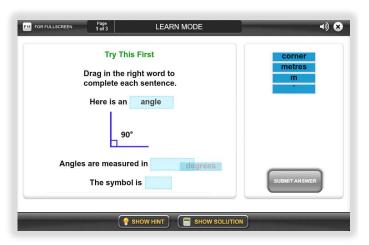
- 1. Every new quiz starts at the EASY Level. There are 4 levels of questions: Easy, Medium, Hard and Extreme. Gradually work towards HARD and EXTREME. Answer 3 consecutive questions correctly to move up one level (2 consecutive incorrect answers moves you back down one level)
- 2. There are 10 questions for every 'round' of Prodigi quiz. Aim to complete a minimum of 3 'rounds'
- 3. Reviewing and addressing mistakes to help students grow: At the end of the 10 questions, students will be presented with a review page to show their journey. Review their mistakes before continuing.
- 4. Each question is timed. The harder the questions, the more time they have to answer it.
- 5. Where available, click on TEACH ME to complete the **Learn Mode** tutorials before starting. This will help prepare for the quiz, but students can come back to the tutorial later if preferred.
- 6. Click to PLAY the quiz when you are ready
- 7. Get a BRONZE MEDAL to Pass (ie. Correctly answer 4+ Hard questions correctly). Following this, students can grow towards a SILVER and GOLD MEDAL (answer 10 Extreme questions correctly)



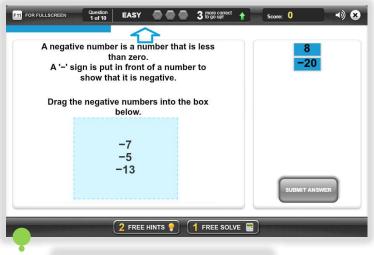


What is TEACH ME / LEARN MODE ON PRODIGI?

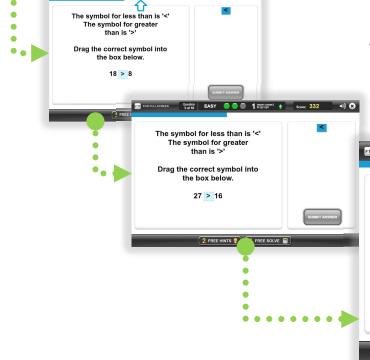
- Clicking on TEACH ME takes students to the LEARN MODE – a series of tutorial that prepares students for the upcoming quiz.
- It is available for most Prodigi activities
- Students click on SHOW HINT for additional help
- TEACH ME is not timed
- At the end of the LEARN MODE, students simply click 'YES, PLAY PRODIGI NOW' to get started.

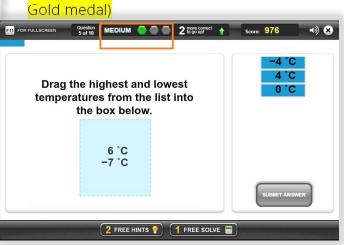


4 Learning Levels on Prodigi



- A PRODIGI quiz always starts at the EASY level. The blue bar is the timer.
- Click on FREE HINT to access help (this also pauses the timer)
- Answer 3 questions in a row correctly, to move up to the next level.
- Start at EASY >> MEDIUM >> HARD >> EXTREME
- MEDIUM and EASY questions are at curriculum level
- Answer 4+ HARD questions to pass (earn a Bronze medal)
- Answer 10 EXTREME questions to earn a





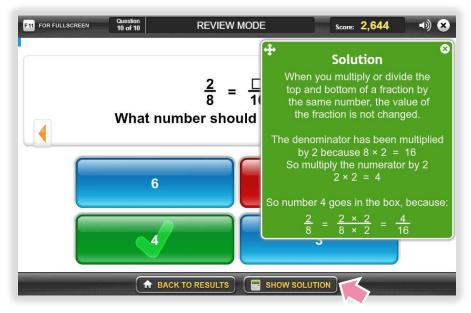
Review incorrect answers before Playing Again - using mistakes as an opportunity for growth

At the end of the quiz, see if a medal has been achieved (pass). Most students don't pass in their first attempt.

- Always review incorrect answers by clicking on 'Review my questions' or individual red boxes8.
- After checking and learning from previous mistakes, click 'PLAY AGAIN' to get a new set of 10 questions
- The system will remember the level that you were previously up to, and start you from there



When you are reviewing your question, make sure you click on 'SHOW SOLUTION' to learn from the mistake. Take notes, write it into your workbook – so that you can answer the question next time it comes up!



There are 3 medal levels to achieve - How to earn medals on Prodigi

Bronze, Silver and Gold: Bronze medal is the minimum pass mark, indicating that students have achieved curriculum standard. After earning a Bronze medal, students can continue to 'upgrade' to a higher medal level. Each medal earned contributes 'medal points' to the school's leaderboard tally.



NOT GETTING A MEDAL (0 medal points) means:

- earned less than 4200 points
- did not correctly answer 3 consecutive HARD questions
- only answering EASY and MEDIUM questions
- students have not achieved curriculum standard



TO GET A BRONZE MEDAL (1 medal point):

- earn between 4200-8999 points
- answer more than 3 consecutive HARD questions correctly
- also attempt 1-2 EXTREME questions
- students have achieved curriculum standard



TO GET A SILVER MEDAL (2 medal points):

- earn between 9000-13999 points
- answer more than 3 consecutive HARD questions correctly, and all remaining EXTREME
- students are working above curriculum standard

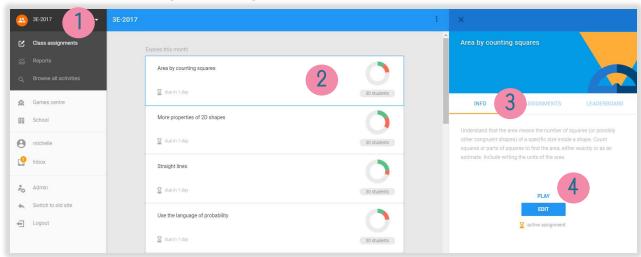


TO GET A GOLD MEDAL (3 medal points):

- earn more than 14000 points
- answer 10 EXTREME questions correctly
- students are working beyond curriculum standard

Setting the scene - Model the **Prodigi Workflow** with your students

This helps set an expectations on best practises right from the beginning – ensuring students will benefit from the use of Prodigi in the long term.



Start by bringing up a Prodigi activity on the whiteboard. It's easy to use a Prodigi activity you have already assigned to your students. Find this under 'Class Assignments' on your teacher platform:

- 1. Go to your Teacher Platform, and ensure that you have the correct class selected
- 2. Click on one of the activities
- 3. Click on 'INFO'
- 4. Click PLAY to start the activity



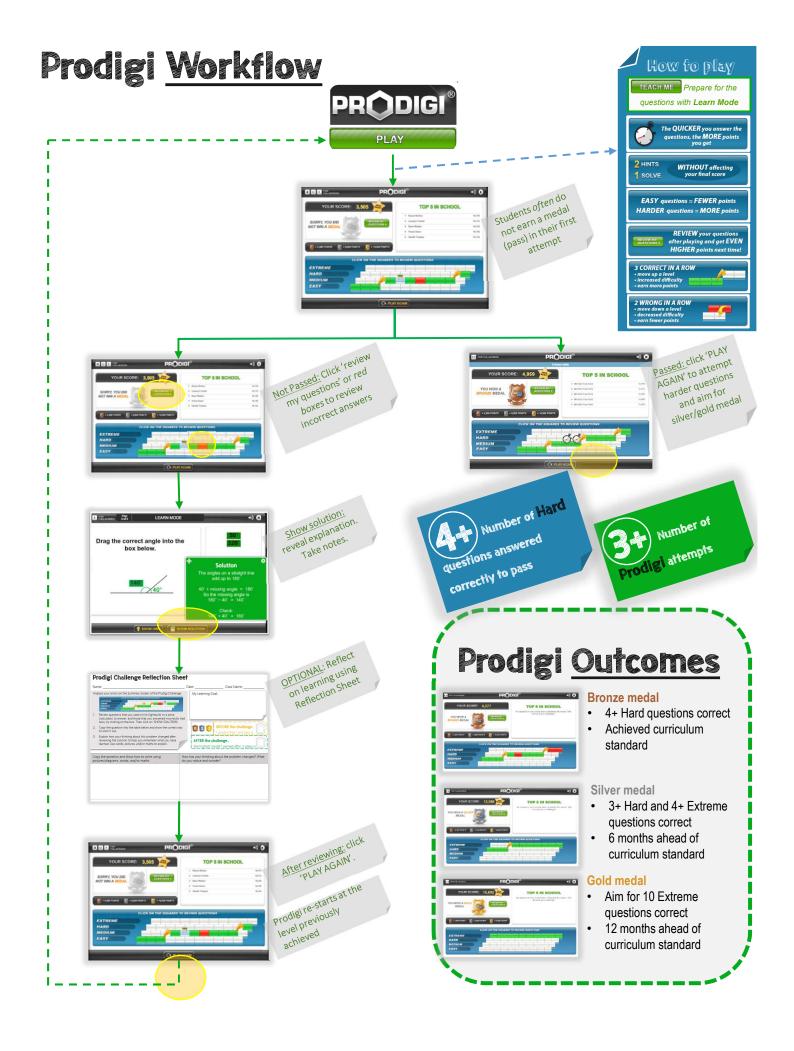
Summary screen



Solution screen

Use this checklist to ensure you've covered all required points during the 'modelling' session:

- O Discuss the expected learning outcome
- O Introduce that students will be working on 10 questions, everyone will get a different set of 10 questions
- O Talk about the timer... from the introduction screen
- O Start at the EASY level get 3 consecutive questions correctly to move up to the next level
- O Complete 1-2 'rounds' of Prodigi as a class
- O When you get up to the HARD questions, deliberately answer 2 questions incorrectly to show what happens (move down to MEDIUM)
- On the summary screen, click on 'red boxes'
- O Click 'show solution' to review (write down reflection)
- O Then return and PLAY AGAIN
- O Aim to answer 4+ Hard questions correctly to pass
- O Show medal achievements (previous page)



Prodigi Challenge Reflection Sheet

Name:	Date: Class Name:	_
Analyse your errors on the Summary Screen of the Prodigi Challenge: CLICK ON THE SQUARES TO REVIEW QUESTIONS EXTREME HARD MEDIUM EASY	My Learning Goal:	
 Review questions that you used a hint (lightbulb) or a solve (calculator) to answer; and those that you answered incorrectly (red box), by clicking on the box. Then click on 'SHOW SOLUTION'. 		
2. Copy the question into the table below and show the correct way to work it out.	B S G BEFORE the challenge I predict that I will earn a	
3. Explain how your thinking about this problem changed after reviewing the solution to help you remember what you have learned. Use words, pictures, and/or maths to explain.	AFTER the challenge the highest medal I earned after 3 plays is	
	How has your thinking about the problem changed? What do you notice and wonder?	at