

Dragons' Den

Technology, inventors and inventions of the
Industrial Revolution

For Teacher



Set up: 1 lesson

- Show clips of BBC TV show Dragons' Den.
There are lots of good example pitches available on YouTube.
- Explain the broad task / activity.
- Assign roles of Dragons and Inventor teams. The activity is set for 8 Dragons but you can adjust the currency accordingly to suit the size of you classes.
- Split the rest of the class into 'inventor teams' and assign them an inventor / invention.

Preparation: 1-2 lessons plus homework

- Allow inventor teams time to prepare their pitches and other tasks.
There are also several possible tasks set for the Dragons.

The Activity - 1-2 lessons

- Inventor team delivers their pitch.
- Take questions from the Dragons.
- Dragons then state if they are interested or not.
- Interested Dragons make their offer/s
- Inventors decide which offer or offers they wish to take.
- Repeat.
- Once all team have pitched, review and choose best teams and Dragon.



Enter The Dragons

Each Dragon will be given £100,000 to invest in any of the businesses / inventions that are pitched to you. (Ten gold coins each worth 10,000 pounds). Your aim is to get as **much** of percentage of any of the businesses you are interested in for the **least** amount of money.

Task 1

As a group, help decide how your teacher will judge the inventors and choose a winner by choosing one 'other' to the following judging criteria.

- 1: The Pitch
- 2: Responses to the questions after the pitch
- 3: Use of costume, visuals, props, models, etc
- 4: Teamwork
- 5: Other: _____
- 6: The Deal

(Let inventor teams know about new criteria you create)



Task 2

As a group, help choose how you can determine which Dragon is the most successful.

- 1: Best investments
- 2: Best questions
- 3: Other: _____

Task 3

One or two Dragons design a marksheet to help your teacher judge the Dragons during the activity using the above criteria.

Task 4

Decide what the Dragons should wear in 'The Den'



Task 5

Cut up the money ready for the activity

Task 6

Each Dragon needs to become an expert on ONE of the inventions so you can ask relevant questions at the end of each pitch. Prepare interesting questions for your chosen inventor / invention. Split the inventors / inventions up between the Dragons.

Task 7

As a group, decide if there is anything else you need to prepare or suggestions to make this activity more entertaining and interesting.

Suggestions:

- 1: _____
- 2: _____

Dragons' Question Sheet

Sir Richard Arkwright Spinning Frame

Question 1 : _____

Question 2 : _____

Question 3 : _____

Question 4 : _____

Team James Hargraves Spinning Jenny

Question 1 : _____

Question 2 : _____

Question 3 : _____

Question 4 : _____

Team George Stephenson The Rocket

Question 1 : _____

Question 2 : _____

Question 3 : _____

Question 4 : _____

Team Michael Faraday Disc Generator

Question 1 : _____

Question 2 : _____

Question 3 : _____

Question 4 : _____

Team James Watt

Steam Engine

Question 1 : _____

Question 2 : _____

Question 3 : _____

Question 4 : _____

Team Samuel Morse

The Telegraph

Question 1 : _____

Question 2 : _____

Question 3 : _____

Question 4 : _____

Team Humphry Davy

Safety Lamp

Question 1 : _____

Question 2 : _____

Question 3 : _____

Question 4 : _____

Team Alexander G Bell

Telephone

Question 1 : _____

Question 2 : _____

Question 3 : _____

Question 4 : _____

For the Inventor Teams

Your task ... is to prepare then present an interesting pitch explaining your invention to the Dragons in the Den.

Your aim ... is to get the best deal / investment from the Dragons by selling LEAST amount of your business for the MOST amount of money.

Ideas for the pitches ...

Keep them reasonably short but explain your invention clearly and concisely.

Ensure the Dragons understand the following ...

- Who you are (inventor) ... perhaps create a backstory for this.
- The name of your invention.
- What your invention does.
- Why you are passionate about your invention.
- How this is a SIGNIFICANT invention that will revolutionise the world.

You will be judged on ...

- Pitch quality.
- Use of props, costumes, demos and visual aids / prototype / model.
- Teamwork during your pitch and question responses.
- How you answer questions (knowledge of your inventor and invention).
- Quality of your deal.

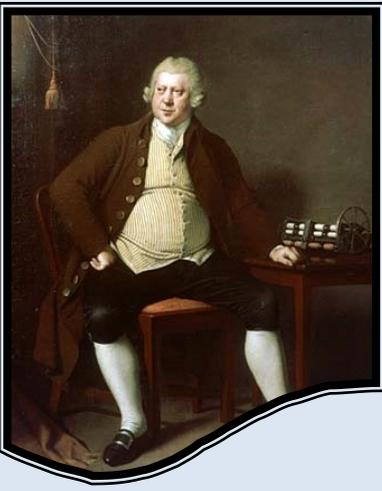
Once in the DEN ... on the day

- Deliver your pitch.
- Answer questions from the Dragons.
- Dragons then indicate if they are interested or not.
- Interested Dragons make their offer/s
- Inventors decide which offer or offers they wish to take.



Review

- All inventors get to decide which Dragon was the 'best' based on investments made and the quality of their questions.



Sir Richard Arkwright

About you

Nickname? _____

Year of Birth _____ Place of Birth _____

Describe your character _____

Explain your 'story' - what inspired you to become an inventor?

Name of your invention: The Spinning Frame

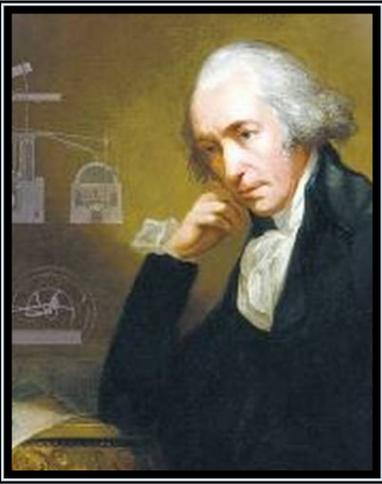
What does your invention do _____

Why will your invention revolutionise the world?

Anything else of significance about this invention?



You are prepared to sell _____ % of your business for £ _____



James Watt

About you

Nickname? _____

Year of Birth _____ Place of Birth _____

Describe your character _____

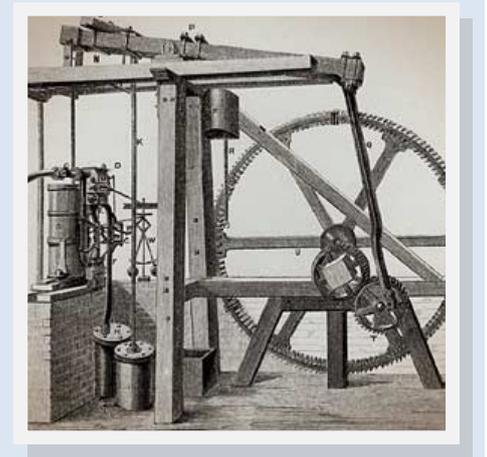
Explain your 'story' - what inspired you to become an inventor?

Name of your invention: The Steam Engine

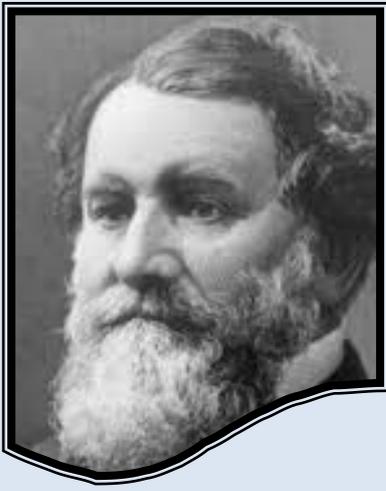
What does your invention do _____

Why will your invention revolutionise the world?

Anything else of significance about this invention?



You are prepared to sell _____ % of your business for £ _____



James Hargreaves

About you

Nickname? _____

Year of Birth _____ Place of Birth _____

Describe your character _____

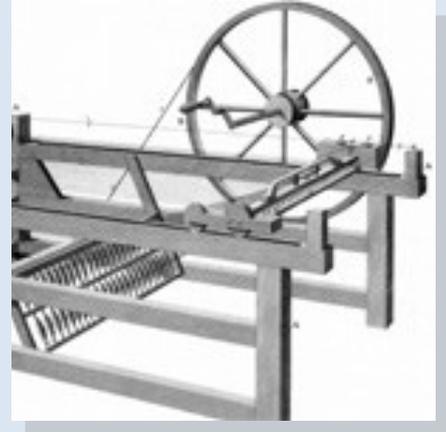
Explain your 'story' - what inspired you to become an inventor?

Name of your invention: The Spinning Jenny

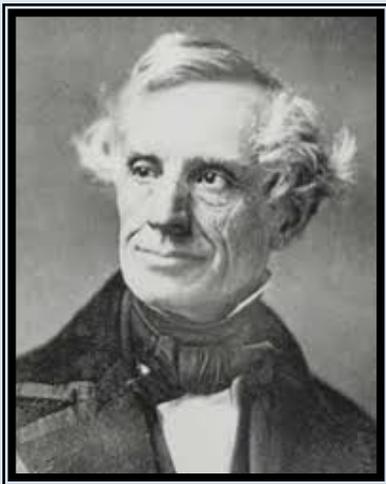
What does your invention do _____

Why will your invention revolutionise the world?

Anything else of significance about this invention?



You are prepared to sell _____ % of your business for £ _____



Samuel Morse

About you

Nickname? _____

Year of Birth _____ Place of Birth _____

Describe your character _____

Explain your 'story' - what inspired you to become an inventor?

Name of you invention: The Telegraph

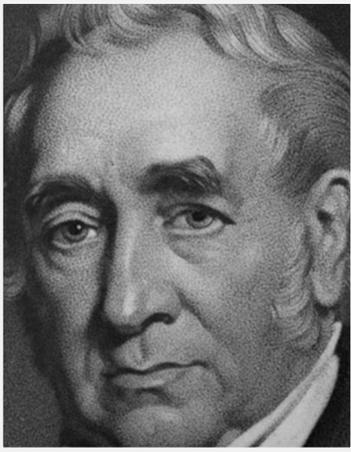
What does your invention do _____

Why will your invention revolutionise the world?

Anything else of significance about this invention?



You are prepared to sell _____ % of your business for £ _____



George Stephenson

About you

Nickname? _____

Year of Birth _____ Place of Birth _____

Describe your character _____

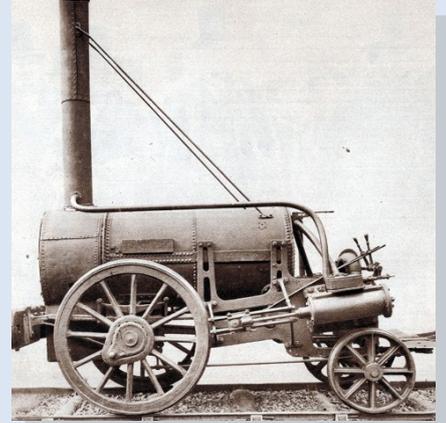
Explain your 'story' - what inspired you to become an inventor?

Name of your invention: The Rocket

What does your invention do _____

Why will your invention revolutionise the world?

Anything else of significance about this invention?



You are prepared to sell _____ % of your business for £ _____



Humphry Davy

About you

Nickname? _____

Year of Birth _____ Place of Birth _____

Describe your character _____

Explain your 'story' - what inspired you to become an inventor?

Name of your invention: The Safety Lamp

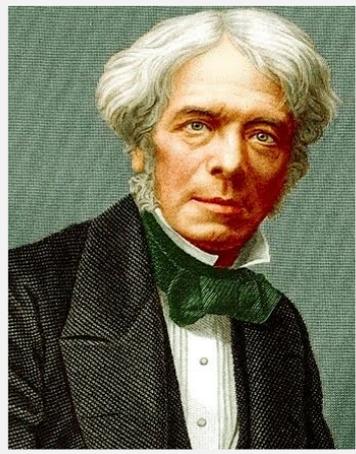
What does your invention do _____

Why will your invention revolutionise the world?

Anything else of significance about this invention?



You are prepared to sell _____ % of your business for £ _____



Michael Faraday

About you

Nickname? _____

Year of Birth _____ Place of Birth _____

Describe your character _____

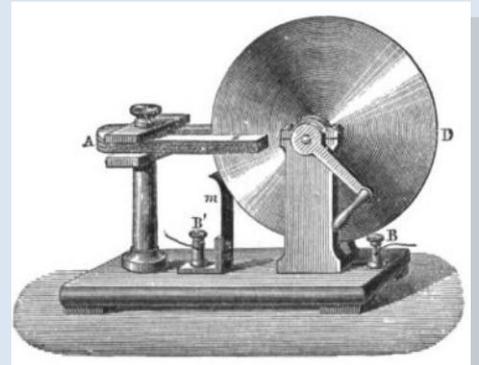
Explain your 'story' - what inspired you to become an inventor?

Name of your invention: The Disc Generator

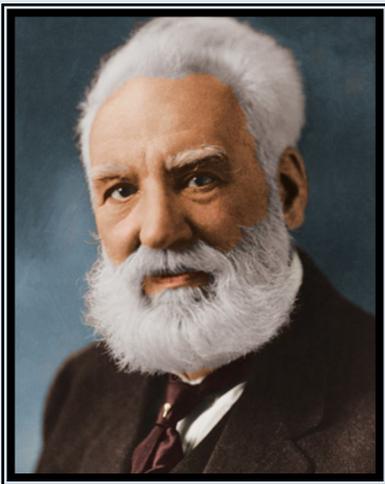
What does your invention do _____

Why will your invention revolutionise the world?

Anything else of significance about this invention?



You are prepared to sell _____ % of your business for £ _____



Alexander Graham Bell

About you

Nickname? _____

Year of Birth _____ Place of Birth _____

Describe your character _____

Explain your 'story' - what inspired you to become an inventor?

Name of your invention: The Telephone

What does your invention do _____

Why will your invention revolutionise the world?

Anything else of significance about this invention?



You are prepared to sell _____ % of your business for £ _____

Money For The Dragons

