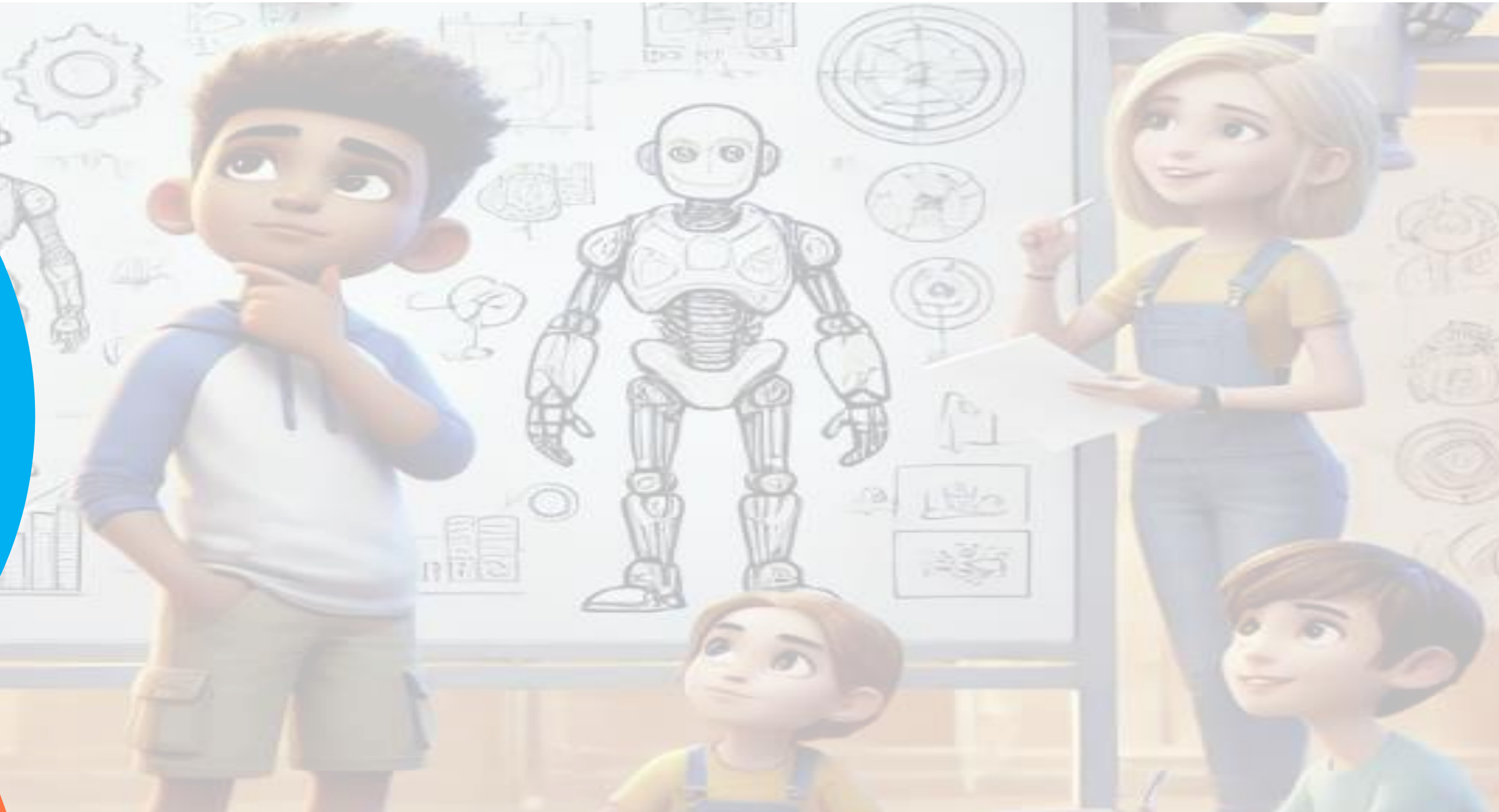


# FEARLESS IMAGINEERS

Inspiring the next generation of Innovators: Dream, Create, Achieve the Impossible.









[www.fig3d.co.uk](http://www.fig3d.co.uk)

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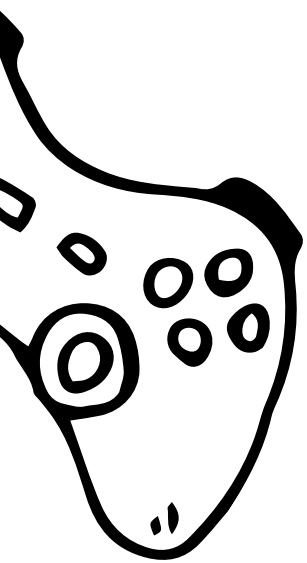
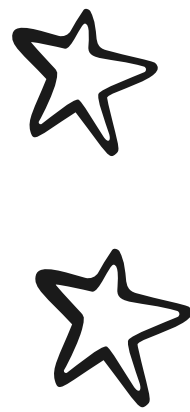
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IT'S  
YOUR  
TIME



## FINN RYAN- THE FACE OF FEARLESS IMAGINEERS

For Finn Ryan, becoming an ambassador for the Fearless Imagineers wasn't just an opportunity—it was destiny. A student at Rockingham Junior & Infant School, Finn has always seen the world differently. Numbers excite him. He finds patterns where others see chaos. But school? That hasn't always been easy.

Rather than letting challenges define him, he started asking questions—why do we learn the way we do? Why does success often feel out of reach for kids growing up on a council estate? And the biggest question of all: Why do people think you have to be rich to start a business?

That curiosity led to a lightbulb moment. Education, he realised, isn't just about textbooks and tests—it should also be about connecting to the real world. He saw firsthand how topics discussed in school, such as equity, translated into life beyond the classroom.

At the same time, Mark—director and CEO of Fig3D—was going it alone. After years of helping other companies realise their dreams, the time felt right to pursue his own. With newfound flexibility, Mark was able to support friends and family with the school run. It was during the morning drop-offs and afternoon pickups, that an unlikely partnership was founded.

Finn shared curious conversations, always full of big questions. Mark, in turn, shared his latest ventures. What started as passing chats soon grew into something more—a flourishing partnership between two entrepreneurial minds. Finn's relentless curiosity and fresh perspective sparked something in Mark, reminding him of his own journey. He saw in Finn not just a bright young mind but a fellow aspirational entrepreneur.

So, it was only natural that Finn became the face of the Fearless Imagineers. A movement inspiring the next generation to carve new paths beyond social media fame or traditional careers.

At Fig3D, we are inspired by Finn and students from all backgrounds, ensuring they have access to the same opportunities—to be inspired, to challenge the status quo, and to prove that potential isn't defined by circumstance. Our commitment to Diversity, Equity, and Inclusion (DEI) has been embedded in our mission from the very beginning, woven into our very logo. Looking back, it wasn't just a design choice—it was fate.



**Fearless dreamers:  
They imagine. They build. They  
make things happen.**



## About us

At Fig3D, we help businesses embrace sustainable, advanced manufacturing technologies such as 3D printing, removing risk and complexity. Our mission is to empower creativity and innovation without boundaries; ensuring ideas can flourish unrestricted by traditional constraints.

This same passion for pushing the limits of possibility drives our commitment to inspiring the next generation of inventors.

### We believe:

- Nothing is impossible it is simply an opportunity waiting to be explored.
- Young minds hold the key to ground-breaking innovation.
- Young minds have fresh, unbiased perspectives that challenge convention, thinking outside the box.

To extend our impact beyond industry and into the classroom, we created an initiative with the idea of;

- ✓ Equipping pupils with the tools, confidence, and support to bring their ideas to life.
- ✓ Encouraging bold thinking and problem-solving without limits.
- ✓ Inspiring young innovators by providing hands-on experiences in creative, problem-solving, technology and design.
- ✓ Sparking curiosity to fuel a lifelong learning journey, helping them see real-world applications of their ideas.
- ✓ Enabling them towards discovering their true potential.

**By fostering fearless creativity from an early age, we aim to shape the future of innovation. Join us in championing the next generation of inventors! 🚀**



**FEARLESS IMAGINEERS  
BRINGING THEIR VISIONS TO LIFE**

## Concept

Ready to Join the Fearless Imagineers? It is an exciting, hands-on initiative that empowers young minds to have a go at conceptually, tackling some the world's greatest challenges with bold ideas, connecting real world problems through applied education.

### Explore Your Passions:

Pupils will brainstorm; identify problems that matter most to them and the world today, developing solutions that aim to address the problem. Students will be asked to further validate their ideas by parents, teachers and friends.

### Building a Business Case:

Guiding pupils to develop a basic and clear business case, defining the problem and the solution. Helping them map the core elements, to build a compelling case for their venture.

### Pitch Your Vision:

Helping pupils deliver a confident pitch by presenting a solid business case. Clearly highlighting the problem, solution, and market potential.

## Target Audience

9–11-Year-olds  
(Year 5/6 in Primary  
Education)

## Participation

Primary Schools across the South Yorkshire Region  
A Youth Innovation Ambassador  
Parents & Communities

## Our Aim's



**This is a chance to bring your ideas to life,  
which could impact the future!**

# PART 1

## IGNITE YOUR INNOVATION (CREATIVE IDEA GENERATION)

### Objective

Encourage pupils to think creatively; producing bold, new ideas to solve challenges.

### Skills

Creativity, problem solving and Teamwork.

### Outcome

Each class will vote for the best solution to the problem.

### Plan



#### Warm-up (ice breaker) 15 mins

- What do you think makes a good inventor?
- If a superhero needed a new gadget, what would you invent for them?
- If you could invent anything, what would it be and why?

#### Brainstorming Session 45 mins



- What problems do you think need addressing?
- How would you address these challenges?
- What resources would you need?
- What would your team look like?

### Resources



#### Materials

- Interactive board
- A3 paper
- Flip chart
- Pencils



#### Participants

- Teaching/support Staff
- Pupils
- Parents

### Next Steps

Discuss your idea with your parents, teachers and friends to gather their thoughts and feedback. Record their responses, as this will be valuable for refining your solution. Be open to adjusting your ideas if necessary and are there common patterns in the feedback that can help improve the solution?



# PART 2

## BUILDING THE BUSINESS CASE (TURNING IDEAS INTO ACTION)

### Objective

Help pupils develop a simple business case for their idea selected by the class in part 1.

### Skills

Structure, planning, market understanding and budgeting

### Outcome

- A basic business case
- Basic understanding of marketing and budgeting.

### Plan



#### Warm-up (ice breaker) 10-15 mins

- Who can remember who we spoke about last session?
- Can you name an inventor?
- What problem did they solve?



#### Develop a basic business case 40 mins

- Revisit the idea from Part 1 and look at what changes are necessary.
- Develop a clear picture of their target customer.
- Business Case: Define the core elements: Problem, Solution, Target Audience

### Resources



#### Materials

- Interactive whiteboard
- A3 paper
- Pencils
- Laptop



#### Participants

- Teaching/support Staff
- Pupils

### Next Steps

Each group will create a 6-slide presentation using a template provided. Each group is responsible for one slide, contributing to the overall presentation. The slides will be compiled into a single, cohesive pack that represents the group's business case.



# PART 3

## PITCHING YOUR IDEA

### Objective

Empower pupils to confidently present their ideas and business cases to a panel.

### Skills

Communication, Confidence, and Persuasion

### Outcome

Deliver the pitch, have fun, inspire the upcoming year groups

### Plan



#### Warm-up 30 mins

- Practice the pitch
- Role play/feedback



#### Pitch Delivery & QA 30 mins

Every student will have the opportunity to showcase their newly developed skills, as pitches will be shared across the entire class.

### Resources



#### Materials

- Interactive whiteboard
- Laptop



#### Participants

- Teaching Staff
- Pupils
- Judging Panel

### Next Steps

- Certificate & honorary membership into the Fearless Imagineers
- 'Fearless Imagineer' Badge
- Branded Notebook & Pen





# Curriculum Alignment – Empowering Students Through Learning

The Fearless Imagineers initiative isn't just about innovation—it directly reinforces key skills from the England National Curriculum for Year 5/6 across multiple subjects.

## English

**Speaking & Listening:** Encourages students to articulate ideas clearly, engage in discussions, and present confidently during business pitches.

**Writing & Structuring Arguments:** Developing a business case aligns with persuasive writing techniques, helping students structure ideas logically and convincingly.

## Mathematics

**Basic Financial Literacy:** Understanding pricing, costs, and budgeting within the business case ties into real-world applications of mathematics.

**Data Handling & Analysis:** Considering target markets and product pricing introduces simple data interpretation and logical reasoning.

## Science

**Scientific Inquiry & Problem-Solving:** Students develop ideas that solve real-world problems, linking to scientific thinking, testing hypotheses, and evaluating outcomes.

**STEM Connections:** Product-based ideas may incorporate knowledge of materials, forces, and energy, reinforcing science curriculum concepts.

## PSHE

**Entrepreneurial Thinking:** Encourages problem-solving, teamwork, and decision-making, aligning with PSHE themes around economic education.

**Growth Mindset & Resilience:** Emphasising that failure is part of learning supports students in developing confidence and perseverance.

# Validating the Need for Fearless Imagineers – Pilot Scheme

At Fig3D, we believe that innovation starts young.

The Fearless Imagineers initiative is designed to inspire and equip the next generation of young inventors and entrepreneurs by fostering creativity, problem-solving, and business thinking.

To ensure the effectiveness and long-term impact of this initiative, we propose launching a pilot program, fully funded by Fig3D, to demonstrate the need and value of this approach. Why a Pilot? The pilot will provide a real-world test of how FIG can integrate with the curriculum, engage students, and develop essential skills.

By working closely with schools, teachers, and pupils, we can refine the program before scaling nationally.

The pilot will help validate:

- Do students find the program exciting, and does it enhance their learning?
- Teacher & School Feedback– How well does FIG align with educational priorities?
- Scalability & Impact – What’s needed to expand this across regions while maintaining its core values?

Vision for National Expansion. The long-term goal is to establish ‘Fearless Imagineers’ as a not-for-profit organisation, rolling out the program across the nation while ensuring it remains accessible, high-quality, and values-driven. Regional competitions will feature exciting prize draws, giving students massive opportunities to win while reinforcing the importance of education, creativity, and problem-solving.

# Final Remarks

The story of Finn and Mark is more than just an inspiring partnership—it's proof that when curiosity meets opportunity, barriers are broken.

The Fearless Imagineers isn't just about encouraging young people to dream big; it's about giving them the tools, confidence, and real-world skills to turn those dreams into reality.

By working together—pupils, teachers, and communities—we can create an environment where innovation thrives, diversity is celebrated, and every child, regardless of background, has the chance to shape their future. This initiative isn't just about business; it's about changing mindsets, challenging limitations, and proving that talent knows no postcode.

At Fig3D, we believe that every child deserves the chance to explore their potential—to see beyond the expected and step into a future they never thought possible.

We invite educators, mentors, and industry leaders to join us in this mission—to inspire, to uplift, and to be part of a movement that is redefining what success looks like for the next generation.

**When we invest in young minds, we're not just shaping individuals—we're shaping a fearless, inclusive, and extraordinary future for us all. 🚀**

**THANK  
YOU**

**FEARLESS IMAGINEERS  
BRINGING THEIR VISIONS TO  
LIFE**

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