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Split Second Science  
Education Foundation

## 1. ABOUT THE FOUNDATION

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**The Split Second Science Education Foundation (SSSEF)** was founded in 2018, by Felix Spies – a passionate creative Scientist and Educator. He started the Foundation during his Honors studies, as he saw the mounting evidence that the quality of South Africa's STEM education is decreasing. The Global Competitiveness Report (2017–2018), ranks South Africa 128 out of 137 in quality of math and science education. This tendency is largely due to the fact that learners in rural and semi-urban areas attend under-resourced schools and they do not have access to platforms that expose them to hands-on science experiments.

By identifying key strategic opportunities in the I-STEM education field (Innovation, Science, Technology, Engineering and Mathematics), SSSEF provides customized expertise, training and products to provide learners with opportunities that are out of their current reach.

SSSEF creates the context specific solutions using an Asset Based, Community Driven, Education approach (ABCDE) which allows us to use the existing assets within the community to drive education that is supported and driven by the community. This ensures that our programme creates an impact on learners and drives a passion for learners to potentially follow a career in science (which is decreasing in South Africa). This also up lifts the greater community by keeping learners off the street and in the class.



## 2. VISION, PURPOSE & OBJECTIVES



### OUR VISION

To provide a **platform** for learners in rural and semi-urban areas to engage with **I-STEM education** (Innovation, Science, Technology, Engineering & Mathematics) in a **meaningful** and **authentic** way.

### OUR PURPOSE

To create the opportunities, exposure and platforms for 2500 learners to engage and experience I-STEM education in the next three years.

### OUR OBJECTIVES

- To make I-STEM education accessible to all learners
- To grant, create and facilitate opportunities
- To aid and enrich community upliftment
- To develop sustainable and meaningful long-term partnerships
- To practice and promote responsible and sustainable science

### HOW WILL WE DO THIS

By building lasting and sustainable partnerships with qualified individuals and companies and creating local economic development (LED) by recruiting people from our target communities to become facilitators and mentors.

### 3. GLOBAL ORIENTED WITH A LOCAL FOCUS

The United Nations Sustainable Development Goals that the Split Second Science Education Foundation contributes to and bases all programmes in.



By using local service providers and training community members, economic gains are made in the communities helping to reduce poverty.



By enabling the delivery of weekly nutritional support to beneficiaries, SSSEF adds to beneficiaries weekly nutritional intake, decreasing hunger rates.



By providing nutritional support to beneficiaries and establishing the platform for the promotion of good health and well-being, these principles are applied at home, empowering people to increase their standard of living.



By promoting STEM education SSSEF enables quality curriculum support to beneficiaries and promotes full participation and commitment to the project.



Our various programmes promote that both males and females are given equal opportunities and that neither gender be favoured when participating in the programme.



Through investment in assets which are donated to schools, they are able to increase the quality of education allowing for innovative solutions to be created their specific context.



By rolling out projects predominately in rural areas, it decreases inequities between schools.



Through the collaboration, we contribute to the UN sustainable development goals.

#### 4. WE BELIEVE IN

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- We believe in learners doing science experiments.
- We believe in having a good time.
- We believe in positivity.
- We believe in clear, precise communication.
- We believe in being on time.
- We believe in quick, efficient and friendly service.
- We believe in “WOW” moments.
- We believe in practicing responsible, sustainable science.
- We believe that science matters.
- We believe in genuine, authentic contributions.



## 5. OUR PARTNERS

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**Split Second Science Education Foundation** can only achieve our vision, purpose and objectives through partnerships and financial support. We believe that we can achieve and magnify our impact through key partnerships.

### **SOUTH32 ROBOTICS ACADEMY**

In partnership with South32 and the Department of Mineral Resources and Energy, SSSEF is managing and facilitating six robotics teams at six different rural schools in the John Taolo Gaetsewe District Municipality. Please [click here](#) to view our unfolding story.

### **SOUTH AFRICAN AGENCY FOR SCIENCE & TECHNOLOGY ADVANCEMENT (SAASTA)**

In 2018 and 2019, SSSEF was awarded a grant to host and facilitate activities for National Science Week in 2018 and 2019. We continue to be an agent for SAASTA and we actively increase the quality and amount of I-STEM programmes in South Africa.

### **SOUTH AFRICAN COUNCIL FOR NATURAL SCIENTIFIC PROFESSIONS (SACNASP)**

Partner with SACNASP to promote scientific professions in South Africa during SciFest Africa in 2018/2019 & 2020 as well as other events.

### **JOHNSON & JOHNSON**

SSSEF is a service provider to J&J in the WiSTEM2D programme that focuses on providing a platform for authentic science communication in peri-urban and rural areas. This program has a strong focus on female learners and promoting their entry in STEM orientated careers.

### **FIRST NATIONAL BANK**

We form part of the FNB volunteer's program, where FNB employees come and assist us with our various projects and donate their time.

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## 6. FOUNDATION DETAILS

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Service Provider:	Split Second Science Education Foundation
Postal Address:	81 Letchworth Drive Edgemean, Cape Town, 7441
Physical Address:	81 Letchworth Drive Edgemean, Cape Town, 7441
Type of Firm:	Non-Profit Company
Company Registration No:	K2018197443 2018 / 197443 / 08
Department of Social Development Registration No:	212-031 NPO
Public Beneficiary Organization Registration No:	930064304
B-BBEE Status:	B-BBEE Level 1
B-BBEE Procurement Recognition Level	135%
Empowering Supplier	Yes

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## 7. CONCLUSION

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**The Split Second Science Education Foundation** is a solution driven PBO that works to improve the quality of I-STEM Education in South Africa through sustainable partnerships and creating co-authored lasting programmes and solutions. By using a variety of platforms, network and community knowledge we are able to deliver quality and affordable solutions in partnership with our stakeholders that meet and exceed expectations.

