

Engineering Inspiration (EI) Award / FIRST Impact Award Practice Test (Sample)

Study Guide



Everything you need from our exam experts!

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Table of Contents

Copyright	1
Table of Contents	2
Introduction	3
How to Use This Guide	4
Questions	5
Answers	8
Explanations	10
Next Steps	16

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Introduction

Preparing for a certification exam can feel overwhelming, but with the right tools, it becomes an opportunity to build confidence, sharpen your skills, and move one step closer to your goals. At Examzify, we believe that effective exam preparation isn't just about memorization, it's about understanding the material, identifying knowledge gaps, and building the test-taking strategies that lead to success.

This guide was designed to help you do exactly that.

Whether you're preparing for a licensing exam, professional certification, or entry-level qualification, this book offers structured practice to reinforce key concepts. You'll find a wide range of multiple-choice questions, each followed by clear explanations to help you understand not just the right answer, but why it's correct.

The content in this guide is based on real-world exam objectives and aligned with the types of questions and topics commonly found on official tests. It's ideal for learners who want to:

- Practice answering questions under realistic conditions,
- Improve accuracy and speed,
- Review explanations to strengthen weak areas, and
- Approach the exam with greater confidence.

We recommend using this book not as a stand-alone study tool, but alongside other resources like flashcards, textbooks, or hands-on training. For best results, we recommend working through each question, reflecting on the explanation provided, and revisiting the topics that challenge you most.

Remember: successful test preparation isn't about getting every question right the first time, it's about learning from your mistakes and improving over time. Stay focused, trust the process, and know that every page you turn brings you closer to success.

Let's begin.

How to Use This Guide

This guide is designed to help you study more effectively and approach your exam with confidence. Whether you're reviewing for the first time or doing a final refresh, here's how to get the most out of your Examzify study guide:

1. Start with a Diagnostic Review

Skim through the questions to get a sense of what you know and what you need to focus on. Your goal is to identify knowledge gaps early.

2. Study in Short, Focused Sessions

Break your study time into manageable blocks (e.g. 30 - 45 minutes). Review a handful of questions, reflect on the explanations.

3. Learn from the Explanations

After answering a question, always read the explanation, even if you got it right. It reinforces key points, corrects misunderstandings, and teaches subtle distinctions between similar answers.

4. Track Your Progress

Use bookmarks or notes (if reading digitally) to mark difficult questions. Revisit these regularly and track improvements over time.

5. Simulate the Real Exam

Once you're comfortable, try taking a full set of questions without pausing. Set a timer and simulate test-day conditions to build confidence and time management skills.

6. Repeat and Review

Don't just study once, repetition builds retention. Re-attempt questions after a few days and revisit explanations to reinforce learning. Pair this guide with other Examzify tools like flashcards, and digital practice tests to strengthen your preparation across formats.

There's no single right way to study, but consistent, thoughtful effort always wins. Use this guide flexibly, adapt the tips above to fit your pace and learning style. You've got this!

Questions

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- 1. Which category includes Sprocket Invention Challenge and FTC/FLL Competitions?**
 - A. Empower**
 - B. Footprints**
 - C. Resources**
 - D. Spotlight**

- 2. Which statement best describes how to address geographic reach in an EI/Impact Award submission?**
 - A. Indicate where participants come from and demonstrate expansion beyond the local area when possible.**
 - B. Show only local participants.**
 - C. Focus on social media followers.**
 - D. Provide only the team location.**

- 3. Which of the following is a correct listing of teams that had access to our facilities?**
 - A. rawc, mubotics, wvr**
 - B. rawc, mubotics**
 - C. mubotics, wvr**
 - D. rawc, wvr**

- 4. What is the primary objective of the EI/Impact Award?**
 - A. Recognize teams that inspire others through FIRST participation by demonstrating meaningful, lasting impact on the community and STEM engagement.**
 - B. Recognize teams with the most technical awards.**
 - C. Recognize teams with the largest sponsorship totals.**
 - D. Recognize teams with the fastest robot performance.**

- 5. How many items are in the FIRST Core Values list?**
 - A. 4**
 - B. 5**
 - C. 6**
 - D. 7**

- 6. How many 3D printers were donated to underprivileged communities?**
- A. 200+**
 - B. 400+**
 - C. 600+**
 - D. 800+**
- 7. What is a good approach when presenting impact while data collection is ongoing?**
- A. Present only qualitative anecdotes**
 - B. Include a plan for data collection alongside qualitative evidence and initial metrics**
 - C. Exclude any future plans**
 - D. Focus exclusively on past events**
- 8. How should submission reflect 'participation growth'?**
- A. Year-over-year changes in participants, mentors, events, and partnerships with supporting data.**
 - B. Only the current year's totals.**
 - C. The color scheme used in outreach materials.**
 - D. The venue capacity.**
- 9. What does Resources represent?**
- A. Improving equity and resources to underrepresented communities**
 - B. Increasing the number of subteams**
 - C. Maximizing fundraising revenue**
 - D. Ensuring safety protocols**
- 10. In data-driven storytelling, what ties the narrative to impact goals?**
- A. Narratives supported by numbers, charts, and quotes that tie to defined goals and impact metrics.**
 - B. Narratives that rely on subjective impressions with no data.**
 - C. Narratives focusing only on the team's internal planning.**
 - D. Narratives using random numbers without context.**

Answers

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1. A
2. A
3. A
4. A
5. C
6. B
7. B
8. A
9. A
10. A

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Explanations

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1. Which category includes Sprocket Invention Challenge and FTC/FLL Competitions?

- A. Empower**
- B. Footprints**
- C. Resources**
- D. Spotlight**

Empower is about giving people the ability and opportunity to engage with engineering, learn, lead, and make an impact. The Sprocket Invention Challenge fits here because it invites students to create gear-driven solutions, fostering invention, ownership, and confidence. FTC and FLL competitions likewise empower teams by providing a structured, mentored environment where students design, build, test, and showcase their work, expanding access to hands-on engineering and helping participants grow skills and leadership. The other category concepts focus more on measuring impact, listing available tools and support, or highlighting people and projects, rather than the overarching aim of enabling and uplifting participants through engineering opportunities.

2. Which statement best describes how to address geographic reach in an EI/Impact Award submission?

- A. Indicate where participants come from and demonstrate expansion beyond the local area when possible.**
- B. Show only local participants.**
- C. Focus on social media followers.**
- D. Provide only the team location.**

Geographic reach is about showing where people involved come from and how the impact extends beyond just one location. In an EI/Impact Award submission, you want to communicate the spread of your influence—where participants originate and how you've expanded your reach to other regions or communities. This demonstrates that your effort isn't confined to a single locality and that it has potential to inspire or be replicated elsewhere. This best option does that: it indicates participant origins and provides evidence of expansion beyond the local area when possible. That combination shows both current breadth and potential for growth, which reviewers look for when assessing impact and scalability. Good details might include participants from multiple towns or states, collaborations with other schools or organizations in different regions, or outreach events in various communities, including virtual programs that reached distant participants. The other choices fall short because they either narrow the scope or miss the broader impact. Focusing only on local participants hides how far your influence could spread. Emphasizing social media followers highlights reach in attention, not geographic spread or actual engagement across places. Providing only the team location gives almost no insight into reach or impact beyond your own ground.

3. Which of the following is a correct listing of teams that had access to our facilities?

- A. rawc, mubotics, wvr**
- B. rawc, mubotics**
- C. mubotics, wvr**
- D. rawc, wvr**

The main idea here is to accurately reflect everyone who had access to the facilities. To be correct, the list must include every team that was granted access. In this case, rawc, mubotics, and wvr are the teams with access, so the listing that includes all three is the only one that fully represents who had access. The other options miss at least one team, making them incomplete and not an accurate record of access.

4. What is the primary objective of the EI/Impact Award?

- A. Recognize teams that inspire others through FIRST participation by demonstrating meaningful, lasting impact on the community and STEM engagement.**
- B. Recognize teams with the most technical awards.**
- C. Recognize teams with the largest sponsorship totals.**
- D. Recognize teams with the fastest robot performance.**

The idea being tested is recognizing teams that inspire others through FIRST participation by creating meaningful, lasting impact on the community and STEM engagement. The EI/Impact Award focuses on how a team uses FIRST as a platform to influence people beyond the season—through outreach, mentoring, and programs that endure over time. It emphasizes making a real difference in people’s interest and opportunities in STEM, not on robot speed, sponsorship totals, or the number of technical awards. A team that conducts sustainable outreach, partners with schools, and demonstrates measurable impact on youth engagement exemplifies this award. So the description that centers on inspiring others through lasting community and STEM impact is the best fit.

5. How many items are in the FIRST Core Values list?

- A. 4**
- B. 5**
- C. 6**
- D. 7**

This question asks how many items are in the FIRST Core Values list. FIRST defines six Core Values that guide team behavior and culture: Discovery, Innovation, Impact, Inclusion, Teamwork, and Fun. Because there are six items, the correct count is six. Options suggesting four, five, or seven do not fit the actual list. Knowing there are six values helps when considering how teams should act and how the EI/Impact Award values are reflected in competition culture.

6. How many 3D printers were donated to underprivileged communities?

- A. 200+
- B. 400+**
- C. 600+
- D. 800+

Understanding how impact numbers are reported helps you gauge the scale of a program. The material states that around four hundred 3D printers were donated to underprivileged communities, which is captured by the figure 400+. That label means at least four hundred printers were donated, with the exact total possibly higher but not specified. A smaller figure like 200+ would understate the outreach, while larger figures such as 600+ or 800+ would imply more printers than described. So, 400+ best reflects the stated impact.

7. What is a good approach when presenting impact while data collection is ongoing?

- A. Present only qualitative anecdotes
- B. Include a plan for data collection alongside qualitative evidence and initial metrics**
- C. Exclude any future plans
- D. Focus exclusively on past events

The main idea here is to communicate impact in a way that is honest about what you've seen so far while also showing how you will gather more evidence as the project progresses. The best approach is to include a plan for data collection alongside qualitative evidence and initial metrics. This shows stakeholders that you've started measuring impact and that you have a clear method and timeline for continuing to collect data, which adds credibility and helps manage expectations about what will be known later. Why this works: sharing qualitative evidence demonstrates real-world effects you've observed, while initial metrics provide some concrete, tangible signs of progress. Adding a data-collection plan clarifies how you will confirm, refine, or adjust those early findings, what will be measured, by whom, how often, and when updates will come. It also communicates transparency about uncertainty and shows you're committed to rigorous evaluation as more information becomes available. Why the other approaches aren't as effective: relying only on qualitative anecdotes can lead to biased or incomplete pictures that don't show how results will be validated over time. Excluding future plans leaves stakeholders guessing about how impact will be proven as you continue collecting data. Focusing only on past events ignores ongoing progress and the possibility of new insights that will emerge with continued measurement.

8. How should submission reflect 'participation growth'?

- A. Year-over-year changes in participants, mentors, events, and partnerships with supporting data.**
- B. Only the current year's totals.**
- C. The color scheme used in outreach materials.**
- D. The venue capacity.**

Measuring participation growth means looking at how numbers change over time, not just what they are at a single moment. The best choice focuses on year-over-year changes in multiple areas—participants, mentors, events, and partnerships—and backs those changes with supporting data. This approach shows trends, verifies that growth is real and sustained, and captures growth across the program's ecosystem, not just a snapshot of one metric. Tracking year-by-year changes across these dimensions provides a clear picture of expansion and impact, making it easier to see whether efforts are translating into broader engagement and stronger support networks. In contrast, focusing only on the current year's totals misses the direction of growth, and elements like color schemes or venue capacity don't directly demonstrate participation growth.

9. What does Resources represent?

- A. Improving equity and resources to underrepresented communities**
- B. Increasing the number of subteams**
- C. Maximizing fundraising revenue**
- D. Ensuring safety protocols**

Resources represents how access to support is shared to ensure equity for underrepresented communities. It focuses on distributing tools, funding, mentoring, training, and opportunities so that those who have been left out can participate and succeed, rather than just increasing overall resources or funding without regard to who benefits. This is not about simply increasing the number of subteams, which concerns organizational structure and capacity. It's not about maximizing fundraising revenue, which is about total money raised rather than who gets access to resources. And it's not about safety protocols, which deal with safeguarding people and processes. The emphasis of Resources is on making sure resources reach and assist underrepresented groups, promoting fair participation and opportunity.

10. In data-driven storytelling, what ties the narrative to impact goals?

- A. Narratives supported by numbers, charts, and quotes that tie to defined goals and impact metrics.**
- B. Narratives that rely on subjective impressions with no data.**
- C. Narratives focusing only on the team's internal planning.**
- D. Narratives using random numbers without context.**

In data-driven storytelling, credibility comes from tying the narrative to measurable outcomes. When the story includes numbers, charts, and quotes that explicitly map to defined impact goals and metrics, you're showing not just what happened but how it moved toward the objectives. Numbers provide objective evidence of progress; charts visualize trends, comparisons, and milestones, making the trajectory and any gaps easier to see. Quotes add qualitative context that humanizes the data and illustrates real-world effects behind the figures. This explicit link to impact goals anchors every element of the story, so stakeholders can see alignment between actions and outcomes, and what to do next. Relying on subjective impressions without data misses verifiability and persuasiveness. Focusing only on internal planning ignores external outcomes, and using random numbers without context undermines credibility.

Next Steps

Congratulations on reaching the final section of this guide. You've taken a meaningful step toward passing your certification exam and advancing your career.

As you continue preparing, remember that consistent practice, review, and self-reflection are key to success. Make time to revisit difficult topics, simulate exam conditions, and track your progress along the way.

If you need help, have suggestions, or want to share feedback, we'd love to hear from you. Reach out to our team at hello@examzify.com.

Or visit your dedicated course page for more study tools and resources:

<https://eifirstimpactaward.examzify.com>

We wish you the very best on your exam journey. You've got this!

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