

Why Students Fail & How to Make Them Flourish



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Overview

Coding is an increasingly important skill in today's world, but many students struggle with learning to code or give up on it altogether. In this presentation, we will explore some of the reasons why students fail or give up on coding, and discuss ways that we can help them to flourish and succeed instead.

Difficulties

Coding Bootcamps

- They can be intense and demanding
- They have a high cost and short time frame which can make it difficult for students to keep up with the material
- Coding bootcamps often have a high dropout rate, which can be discouraging for students who are already struggling.

Difficulties

Traditional School

- Not all schools offer comprehensive coding education
- Many students lack feedback or support about their learning from teachers and family

Difficulties

Being Self-Taught

- There are just too many resources & learning paths and it is very challenging to create a learning path without any tech experience.
- It can be difficult for self-taught students to find support and guidance when they run into problems or have questions.
- It requires an enormous amount of self-discipline that many people don't have including knowing how to manage your time, be consistent, and avoid distractions.

Resources & Tips:

Online Courses & Tutorials

- [Freecodecamp.com](https://www.freecodecamp.com)
 - [Codecademy.com](https://www.codecademy.com)
 - [Theodinproject.com](https://www.theodinproject.com)
 - [LearnSQL.com](https://www.learnsql.com)
 - Harvard CS50 - programming fundamentals
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Resources & Tips:

Practice Exercises & Projects

This can include things like coding challenges, hackathons, and other competitions that provide students with opportunities to apply what they have learned.

Resources & Tips:

Mentorship & Tutoring

Working with a mentor or tutor can be a great way to get personalized feedback and guidance when learning to code. This can help students to stay motivated and on track, and can provide them with valuable insights and advice

Communities & Forums

- StackOverflow
 - Reddit
 - Many online courses may have their own forum / discord
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Conclusion

In conclusion, coding can be difficult for some students, but there are many resources and programs available to help them succeed. By taking advantage of these resources and joining a supportive community, students can learn to code and flourish.