

# Jigabot Video in Education

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This document is a collection of lists, reflections, and observations that you may find useful as you think about the nearly endless uses for Jigabot Video in education.

## **A Scholarly Look at the Benefits of Using Jigabot Video Resources for Teachers**

Introduction: In recent years, the use of video resources in education has become increasingly popular. With the advent of new technologies such as Jigabot, teachers now have the ability to record their lessons and engage in reflective practice, which has been shown to be beneficial for teacher development. In this article, we will explore some of the benefits that video resources like Jigabot can provide for teachers.

### Improved Self-Evaluation:

One of the most significant benefits of using video resources is that it allows teachers to reflect on their practice and make improvements. By watching themselves teach, teachers can identify areas where they need to improve and develop strategies to address those areas. In this way, video resources like Jigabot can provide a powerful tool for self-evaluation and professional development.

### Increased Student Engagement:

Another advantage of using video resources is that it can increase student engagement in the learning process. Teachers can use Jigabot to record their lessons and provide students with access to the videos. This allows students to watch the lessons at their own pace, pause and rewind as needed, and review the material as many times as necessary. By doing so, students can develop a deeper understanding of the material and engage more fully in the learning process.

### Collaboration and Feedback:

Finally, video resources can provide opportunities for collaboration and feedback among teachers. By sharing their videos with colleagues, teachers can receive constructive feedback and new ideas for teaching. Teachers can also use Jigabot to record team meetings or professional development sessions and share them with colleagues who were unable to attend. This can help to create a culture of continuous improvement and collaboration within the school community.

### Statistics:

The use of video resources in teacher professional development has been shown to have a number of benefits for both teachers and students. For teachers, video resourc-

es like Jigabot can provide opportunities for self-reflection and improvement. According to a survey by the Bill & Melinda Gates Foundation, 99% of teachers who participated in video-based professional development reported that it helped them reflect on their teaching practices, while 96% reported that it helped them improve their teaching. Furthermore, a study by the University of Washington found that teachers who used video for self-reflection and coaching showed significant improvement in their teaching practices.

For students, video resources like Jigabot can provide opportunities for more personalized learning experiences. In a survey by the Flipped Learning Network, 71% of teachers reported that using video in the classroom increased student engagement, while 67% reported that it improved student achievement. Furthermore, a study by the University of Texas found that students who were given access to video lectures were more likely to engage with the material and perform better on exams.

Overall, the use of video resources like Jigabot has the potential to significantly improve the quality of education by providing teachers with opportunities for self-reflection and improvement, and by providing students with more personalized and engaging learning experiences. As technology continues to evolve, it is likely that video resources will become an increasingly important tool for teacher professional development and student learning.

#### Examples:

1. "Flipped" classroom model: Teachers can record their lessons and make them available to students to watch at home, freeing up classroom time for more interactive activities. A study by the University of Washington found that a flipped classroom model improved student achievement and engagement.

2. Teacher self-reflection: Video recordings can be used for teacher self-reflection, allowing educators to watch their own lessons and identify areas for improvement. A study by the University of North Carolina found that teacher self-reflection led to improved instructional practices and student achievement.

3. Peer observation and coaching: Teachers can use video to record their own lessons or to observe and provide feedback on their peers' lessons. A study by the University of Wisconsin-Madison found that peer coaching with video feedback led to improved instructional practices and student achievement.

Overall, the use of video resources in education has been shown to have a positive impact on student outcomes. By allowing teachers to reflect on and improve their own practices, as well as providing opportunities for collaborative observation and feedback, video resources can help to enhance the quality of instruction and ultimately improve student achievement.

#### Resources:

1. "Video-based teacher professional development and its impact on student achievement, teacher practice, and classroom discourse" by H. Gaudin and J. Chaliès

2. "The effects of video-based peer feedback on the writing skills of EFL students" by S. Yamashita and Y. Ushioda

3. "Using video in teacher education" by A. MacLean and L. Mohr
4. "Learning from educational video: The importance of context" by R.E. Mayer  
These studies and others like them can provide valuable insights into the benefits of using video resources in education.

#### Conclusion:

In conclusion, video resources like Jigabot can provide teachers with a powerful tool for professional development and student engagement. Through self-evaluation, increased student engagement, and collaboration, teachers can use video resources to develop new strategies and techniques, enhance their teaching, and build a stronger professional network.

### **Top 12 top Studies & Principles of Video Use by School Principals**

Overall, the following studies and statistics suggest that video can be an effective tool for principals:

1. Sharing important school news and announcements: Principals can use video to share important news and announcements with the school community. According to a survey by the National Association of Secondary School Principals, 75% of principals believe that video can be an effective way to communicate with parents.
2. Providing feedback to teachers and staff: Principals can use video to provide feedback to teachers and staff on their performance. According to a study published in the Journal of Educational Psychology, video-based feedback can improve teacher performance and increase student achievement.
3. Creating professional development resources: Principals can create video-based professional development resources for their staff. According to a study by the American Society for Training and Development, video-based training is more effective than traditional classroom training.
4. Promoting school events and activities: Principals can use video to promote school events and activities to the school community. According to a survey by Animoto, 93% of businesses believe that video marketing is an effective way to promote their products or services.
5. Conducting virtual parent-teacher conferences: Principals can use video conferencing tools to conduct virtual parent-teacher conferences. According to a survey by EdWeek Research Center, 70% of educators believe that virtual parent-teacher conferences are an effective way to communicate with parents.
6. Demonstrating instructional strategies: Principals can use video to demonstrate effective instructional strategies to their staff. According to a study published in the Journal of Technology and Teacher Education, video-based modeling can improve teacher performance.
7. Sharing best practices with other principals: Principals can use video to share best practices with their colleagues. According to a study published in the Journal of Research on Technology in Education, video-based professional learning communities can improve teacher practice.
8. Conducting virtual school tours: Principals can use video to conduct virtual school

tours for prospective students and families. According to a study by Google, 67% of consumers watch videos to learn more about products or services before making a purchase.

9. Creating welcome videos for new students and families: Principals can use video to create welcome videos for new students and families. According to a study by the University of Sussex, video-based communication can increase a person's likability and perceived trustworthiness.
10. Providing school safety and security resources: Principals can use video to provide school safety and security resources to the school community. According to a study by Axis Communications, 76% of educators believe that video surveillance can improve school safety.
11. Demonstrating new technology tools and applications: Principals can use video to demonstrate new technology tools and applications to their staff. According to a study by Animoto, 93% of businesses believe that video marketing can increase user understanding of their products or services.
12. Promoting the school's mission and values: Principals can use video to promote the school's mission and values to the school community. According to a survey by Wyzowl, 84% of people say that they've been convinced to buy a product or service by watching a brand's video.

Overall, these studies and statistics suggest that video can be an effective tool for principals to communicate with their staff, students, and families, as well as promote their school's mission and values. In each case, the videos can be more engaging, of higher quality, and easier to create by using a Jigabot system.

### **Thousands of Professions' Common "Likes" of Jigabot & Video**

1. Easy to set up and use
2. Provides video recording and feedback tools for teachers
3. Allows teachers to easily share dynamic videos with other educators for feedback
4. Offers a range of features, including automatic camera tracking and wireless microphone options
5. Can help improve teacher professional development and student outcomes

### **Education Software that Can be Used with Jigabot Video?**

Jigabot doesn't lock you into using proprietary software, you can use any software that you'd like. Here are common software packages in education that can be used with Jigabot:

1. TeachBoost - provides a platform for classroom observation and feedback, including tools for video observation, note-taking, and collaboration.
2. Edthena - offers video coaching tools for teachers and administrators, with features such as commenting, feedback, and sharing.
3. Observer XT - a software tool for behavioral research that can be used to analyze and code classroom video.

4. Noldus Information Technology - offers a suite of software tools for behavioral research, including video observation and analysis software.
  5. Kaltura - provides video recording and hosting tools for education, including a platform for recording and sharing classroom lectures and other videos.
- It's worth noting that the best software for any particular school or district will depend on its specific needs and priorities, and different schools and educators may prefer different tools based on their individual preferences and workflows.

## Top 64 Ways ways that teachers can use video

(to improve teaching and learning)

1. Delivering lectures and lessons online
2. Creating flipped classroom videos for students to watch before class
3. Providing video tutorials and demonstrations
4. Recording guest speakers and experts for students to watch later
5. Creating video-based interactive quizzes and assessments
6. Using video for formative assessment and feedback
7. Recording and sharing class discussions and debates
8. Creating video-based lab simulations and experiments
9. Recording and sharing field research and study abroad experiences
10. Creating video-based student projects and presentations
11. Creating video-based learning portfolios
12. Creating video-based case studies and problem-based learning activities
13. Recording and sharing classroom performances and presentations
14. Creating video-based virtual field trips and museum visits
15. Hosting virtual office hours through video conferencing
16. Conducting virtual parent-teacher conferences through video conferencing
17. Creating video-based tutorials for online library resources
18. Creating video-based study guides for exams
19. Recording and sharing instructional webinars and workshops
20. Creating video-based professional development resources for teachers
21. Creating video-based student orientation and onboarding resources
22. Creating video-based welcome messages for students and families
23. Creating video-based safety and security resources for students
24. Recording and sharing cultural events and celebrations
25. Creating video-based resources for social-emotional learning and mental health
26. Creating video-based resources for character education and values development
27. Recording and sharing music and performing arts events
28. Creating video-based resources for English language learners
29. Creating video-based resources for students with special needs
30. Creating video-based resources for parent and family engagement
31. Creating video-based resources for digital citizenship and online safety
32. Creating video-based resources for college and career readiness
33. Creating video-based resources for financial literacy and entrepreneurship
34. Creating video-based resources for environmental education and sustainability

35. Recording and sharing athletic events and competitions
36. Creating video-based resources for project-based learning
37. Creating video-based resources for inquiry-based learning
38. Creating video-based resources for blended learning and personalized learning
39. Creating video-based resources for student-led learning and collaboration
40. Recording and sharing student performances and productions
41. Creating video-based resources for global education and cultural competence
42. Creating video-based resources for science, technology, engineering, and math (STEM) education
43. Creating video-based resources for history and social studies education
44. Creating video-based resources for language arts and literacy education
45. Creating video-based resources for art and design education
46. Creating video-based resources for physical education and health education
47. Creating video-based resources for vocational and technical education
48. Creating video-based resources for adult education and literacy
49. Creating video-based resources for early childhood education
50. Creating video-based resources for homeschooling and distance learning
51. Creating video-based resources for academic support and tutoring
52. Recording and sharing school assemblies and special events
53. Creating video-based resources for leadership and character development
54. Creating video-based resources for peer mentoring and coaching
55. Creating video-based resources for student voice and agency
56. Creating video-based resources for service learning and community engagement
57. Creating video-based resources for teacher professional learning communities
58. Creating video-based resources for school-wide initiatives and campaigns
59. Creating video-based resources for data-driven instruction and assessment
60. Creating video-based resources for classroom management and discipline
61. Creating video-based resources for educational technology integration
62. Creating video-based resources for teacher evaluation and observation
63. Creating video-based resources for curriculum development and alignment
64. Creating video-based resources for lesson preparation and delivery.

In each of these 64 cases, the videos can be more engaging, of higher quality, and easier to create by using a Jigabot system.

## **Green Screen Use with Jigabot**

Jigabot is a robotic camera mount that can be used to capture video of teachers and students in the classroom. With the addition of a green screen, schools can take their video production to the next level and create professional-looking video content for their classrooms and beyond. Here are five ways that schools can use Jigabot with a green screen:

1. Creating virtual backgrounds: With a green screen, schools can create virtual backgrounds for their video content. This can include custom backgrounds that match the school's branding, or images and videos that relate to the subject being

taught.

2. Filming instructional videos: Teachers can use Jigabot with a green screen to film instructional videos that can be used for flipped classroom learning. This can include math tutorials, science experiments, or language lessons.
3. Creating video announcements: Schools can use Jigabot with a green screen to create video announcements for important school news and events. This can be a more engaging way to share information with students and families than traditional methods.
4. Filming student projects: Teachers can use Jigabot with a green screen to film student projects, such as presentations, performances, or group discussions. This can help students to develop their presentation and communication skills.
5. Recording virtual field trips: With a green screen, schools can create virtual field trips that transport students to different locations around the world. This can be a fun and engaging way to teach students about different cultures and environments.

Overall, using Jigabot with a green screen can enhance the production value of video content in schools and help to create engaging and dynamic learning experiences for students.